



Arizona State Health Assessment

2020 Update



ARIZONA DEPARTMENT
OF HEALTH SERVICES

12/31/2020

Summary

The State Health Assessment (SHA) is a conducted with a focus on population health status and public health issues facing Arizona. This update to the 2019 SHA provides updated data but also is intended to broaden our understanding of public health issues and resources in the state.

The SHA continues to be a tool used for the development of the Arizona Health Improvement Plan as well as to support evidence-based approaches to initiatives throughout the state.

The main data sources employed are:

Data Source	Description
<u>Arizona Department of Health Services Bureau of Vital Records</u>	<p>Birth Certificate: A birth certificate is a legal document attesting birth, paternity, adoption, and official identity. All births to Arizona residents, including those of residents who give birth in other states are included in the birth certificate system maintained by the ADHS Bureau of Vital Records.</p> <p>Death Certificate: Information on deaths is compiled from the original documents filed with the ADHS Bureau of Vital Records and from transcripts of death certificates filed in other states but affecting Arizona residents. Mortality data in this report present death of Arizona residents.</p>
<u>Behavioral Health Risk Factor Surveillance Survey (BRFSS)</u>	The Behavioral Risk Factor Surveillance System is a population-based telephone survey conducted annually in all 50 states, the District of Columbia and U.S. territories to collect information on health-related behavioral risk factors, preventable health practices, healthcare access, and chronic conditions among non-institutionalized U.S. adults aged 18 years or older.
<u>Youth Risk Behavior Surveillance System (YRBSS)</u>	The Youth Risk Behavior Surveillance System was established in 1991 by the Centers for Disease Control and Prevention (CDC) to monitor six priority health-risk behaviors that contribute to the leading causes of morbidity and mortality among youth and young adults in the United States. One component of the surveillance system is the biennial school-based Youth Risk Behavior Survey (YRBS). Survey results are based on representative samples of high school students in the nation, states, tribes, and select large urban school districts across the country.
<u>American Community Survey</u>	The American Community Survey is the largest annual household survey conducted by the Census Bureau to generate period estimates of socioeconomic and housing characteristics for states and communities (counties, zip codes, census tracts, and block groups). The survey is designed to provide estimates that describe the average characteristics of an area over a specific time period, either a calendar year (single-year estimates) or a period of 3 or 5 calendar years (multiyear estimates).
<u>Hospital Discharge Data</u>	Hospital Discharge Data are a valuable source of information about the patterns of care, public health, and the burden of chronic disease and injury morbidity. ADHS collects hospital discharge records for inpatient and emergency department visits from all Arizona licensed hospitals. The available data are for state-licensed hospitals including psychiatric facilities. Federal, military, and the Department of Veterans Affairs hospitals are not included.

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Life expectancy at birth, Arizona & U.S., 2018

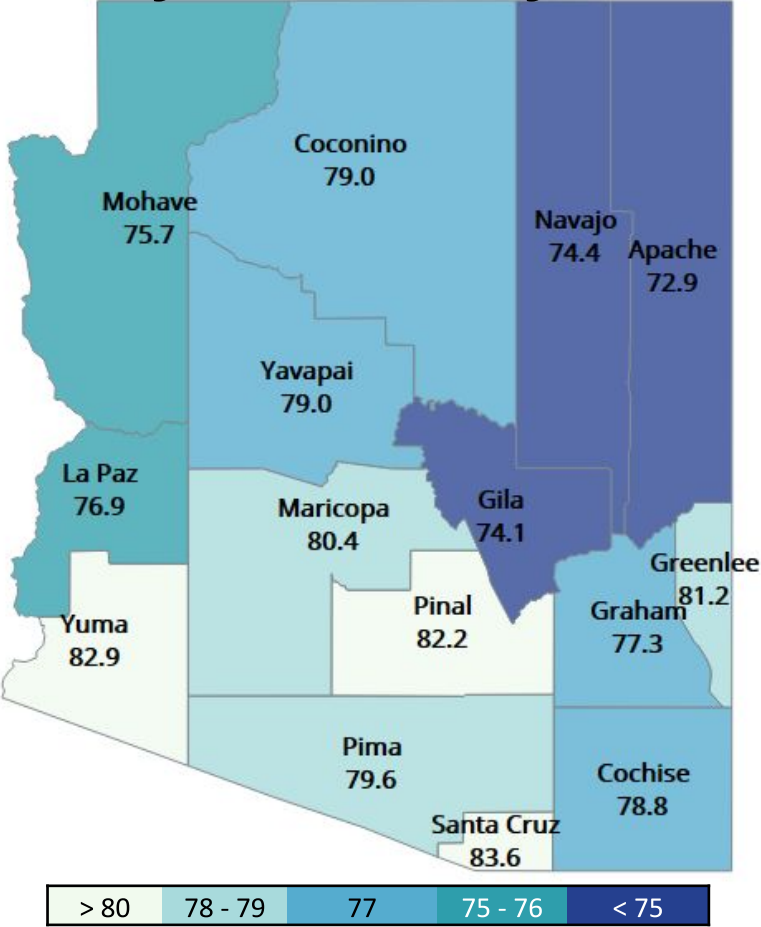


Arizona
79.9 years

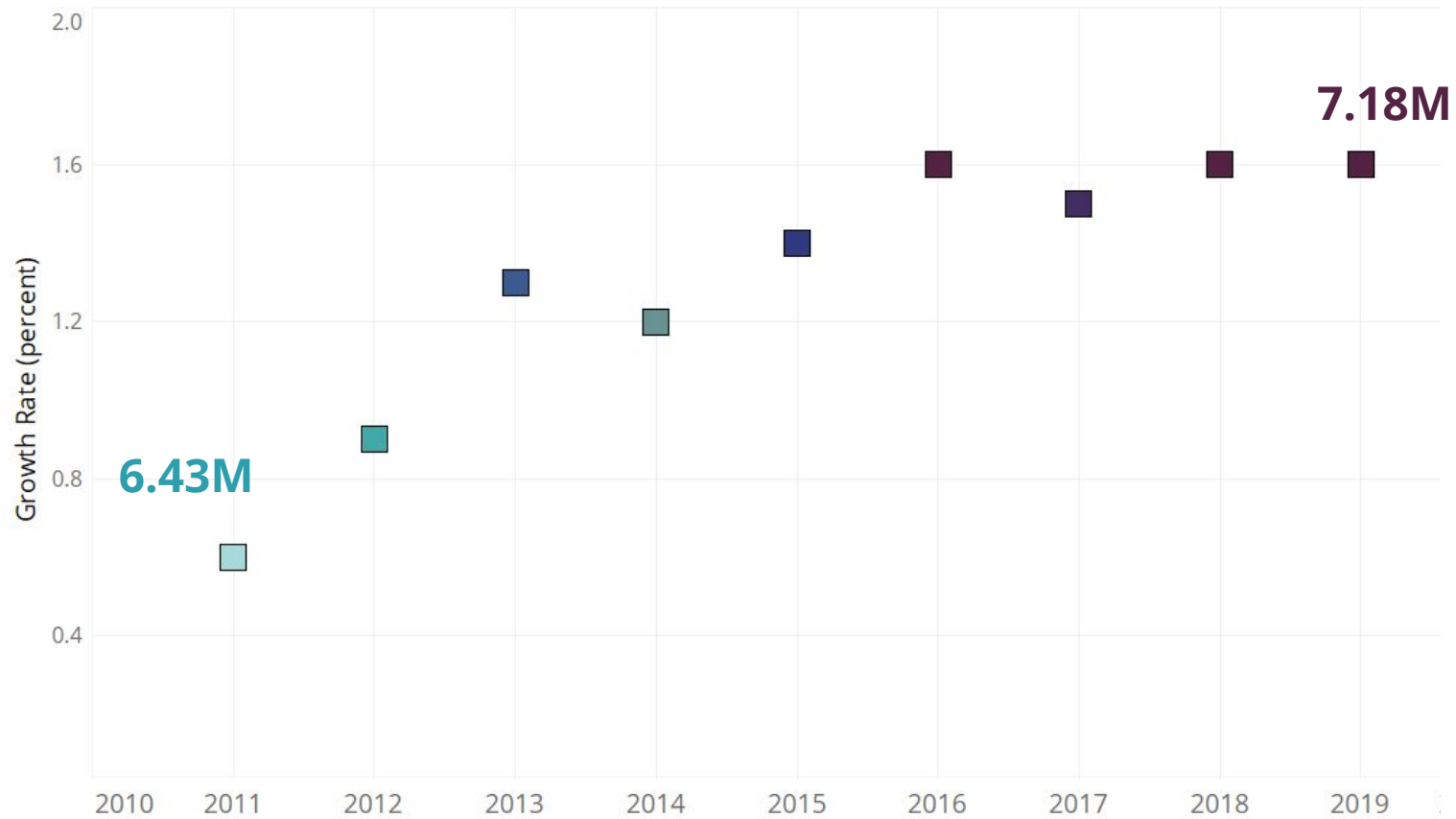


United States
78.7 years

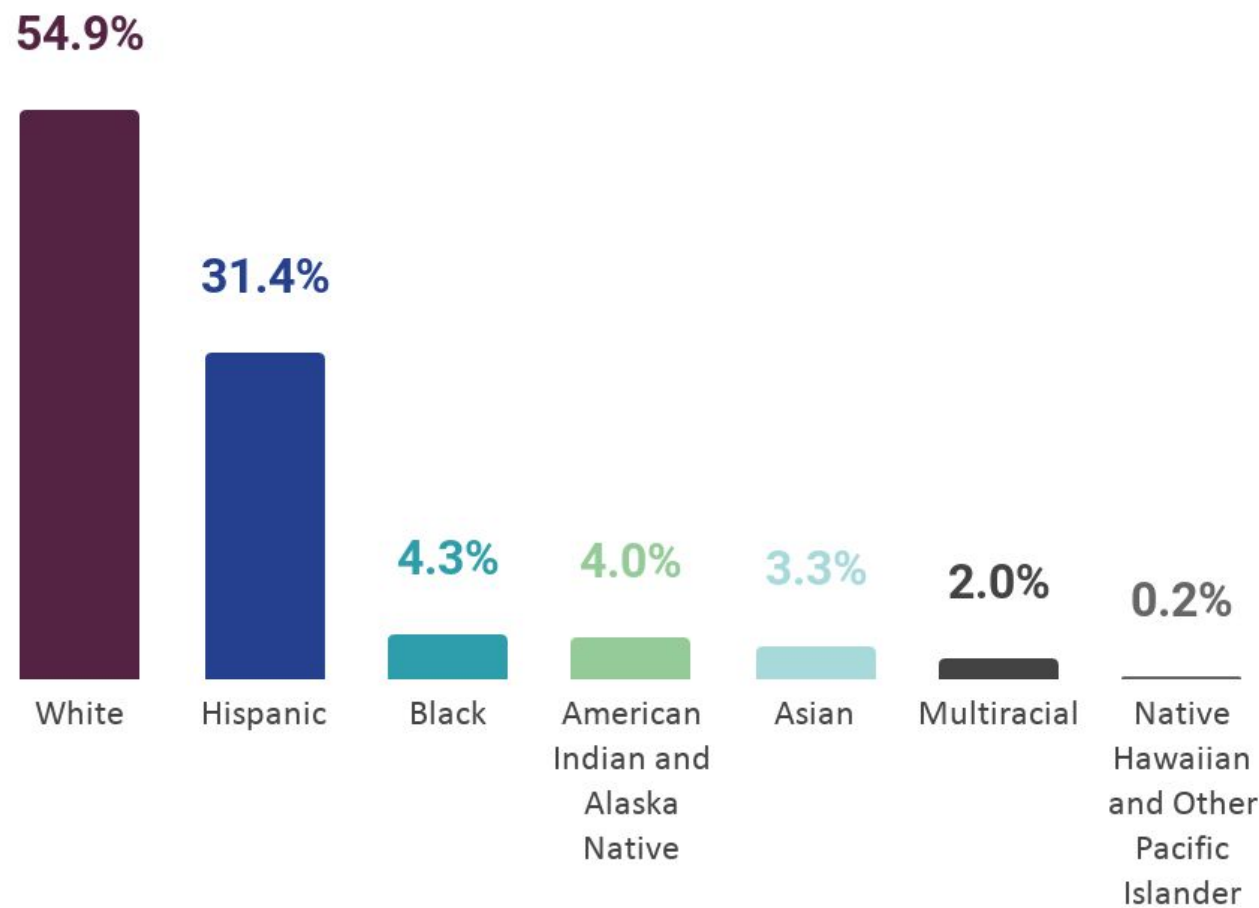
Arizona Life Expectancy at Birth, by County, 2018



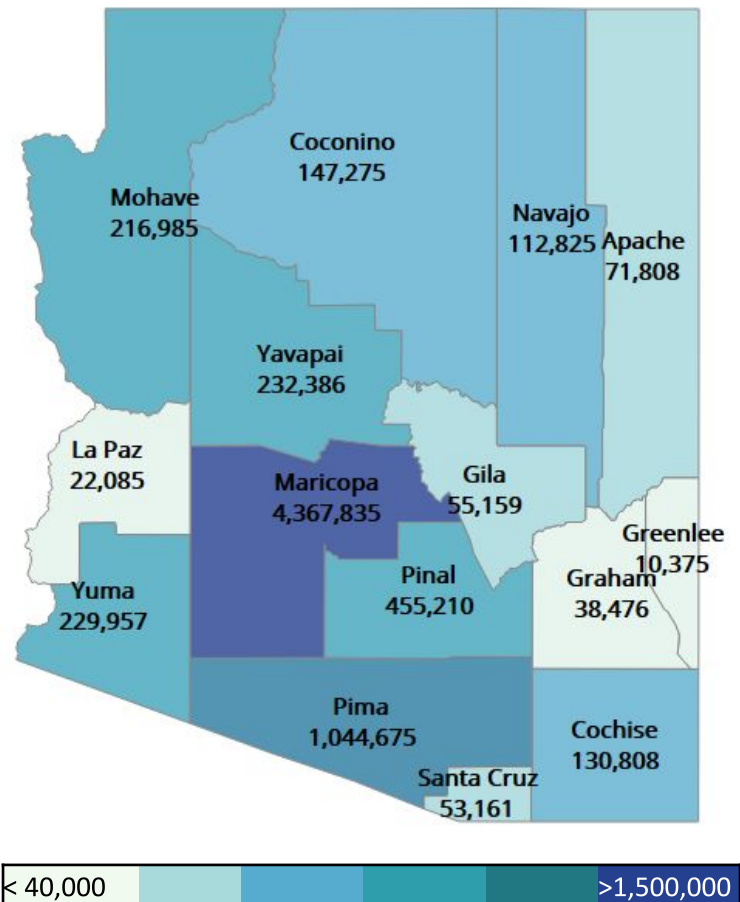
Arizona's Population Growth Rate, 2011 - 2019



Arizona's Population, by Race & Ethnicity, 2019

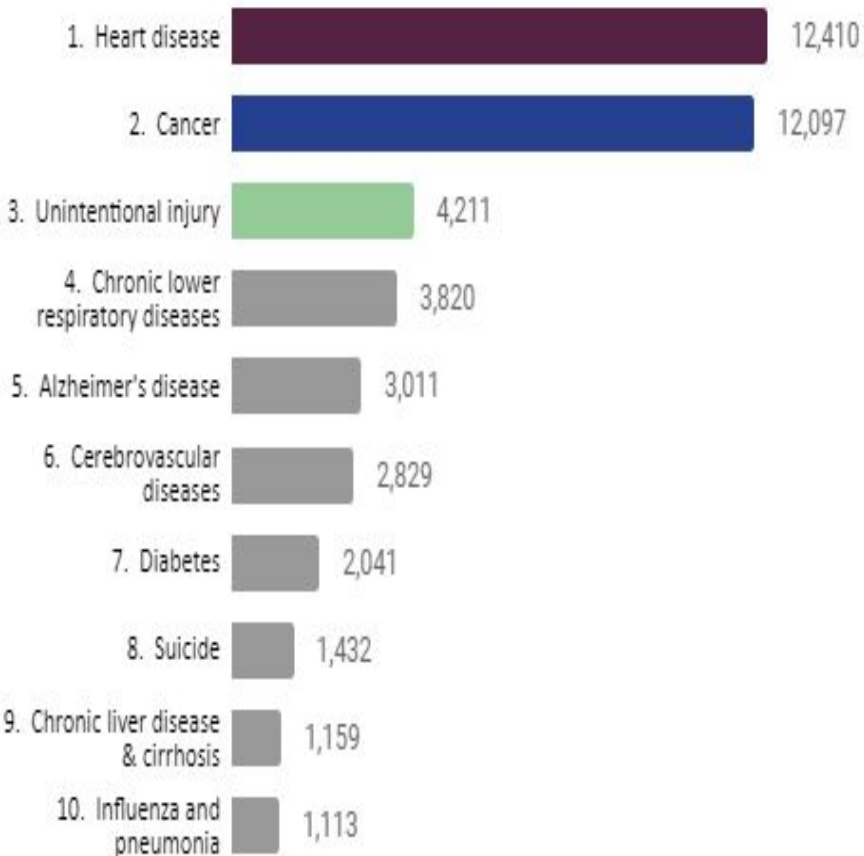


Arizona's Population, by County of Residence, 2019

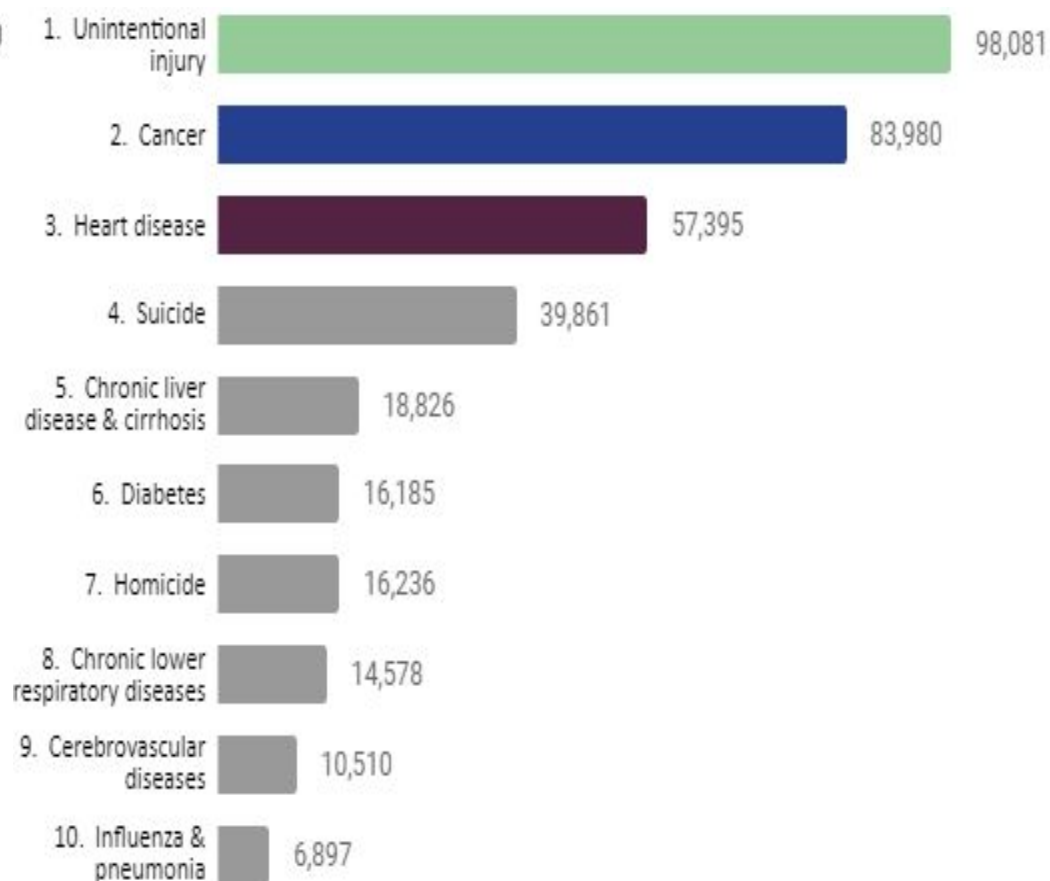


Leading Causes of Death, by Count & YPLL, 2018

Cause of Death (count)



Cause of Death (Years of Potential Life Lost)



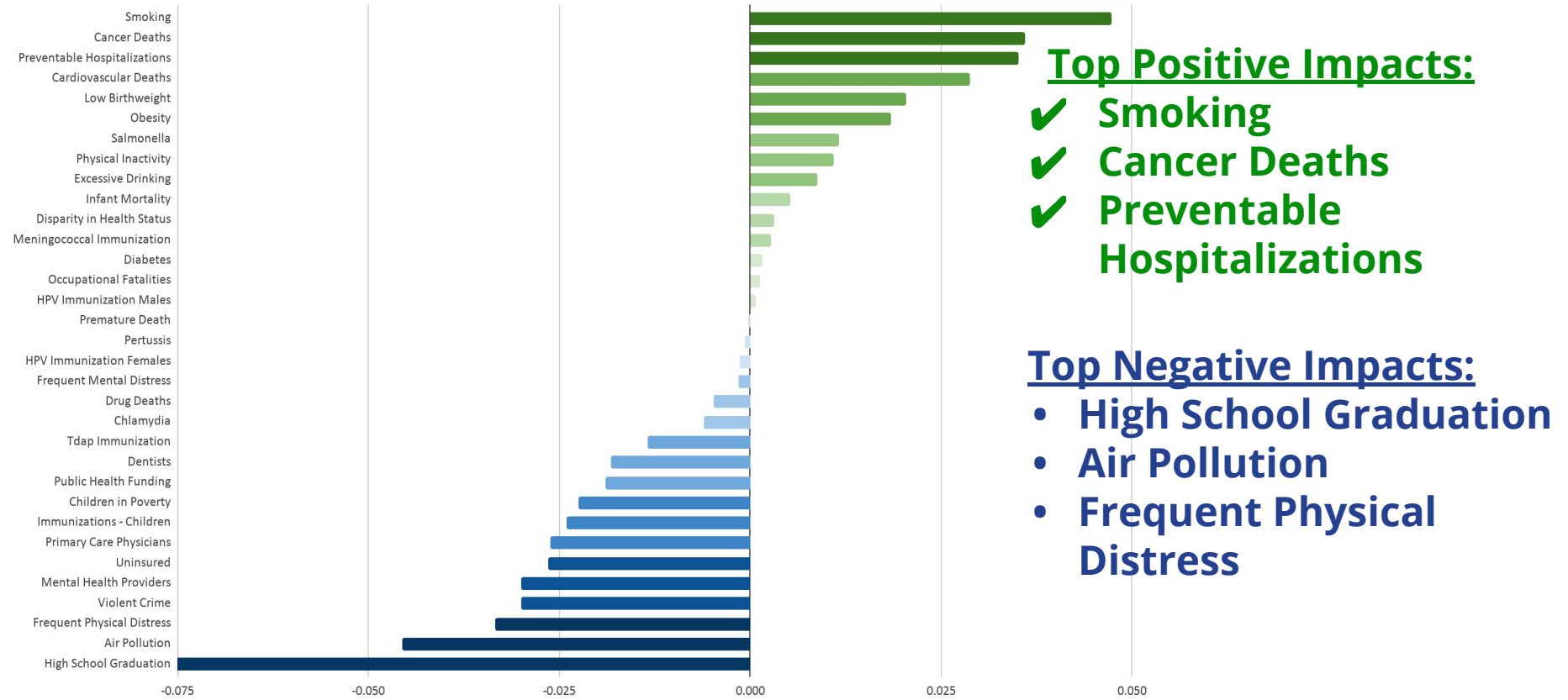
Leading Causes of Death, by Age Group, 2018

Rank	<1Y	1-14Y	15 - 19Y	20-44Y	45-64Y	65+Y
1	Congenital Anomalies 92	Unintentional Injury 76	Unintentional Injury 130	Unintentional Injury 1,368	Cancer 2,760	Heart Disease 10,265
2	Short Gestation 64	Cancer 30	Suicide 80	Suicide 550	Heart Disease 1,899	Cancer 8,984
3	Maternal Complications 31	Suicide 16	Homicide 30	Cancer 310	Unintentional Injury 1,120	Chronic Lower Respiratory Disease 3,310
4	Unintentional Injury 23	Congenital Anomalies 13	Cancer 10	Homicide 260	Liver Disease 580	Alzheimer's Disease 2,979
5	SIDS 14	Homicide 10	Heart Disease 10	Heart Disease 230	Diabetes 563	Cerebrovascular Disease 2,456

All age group rank

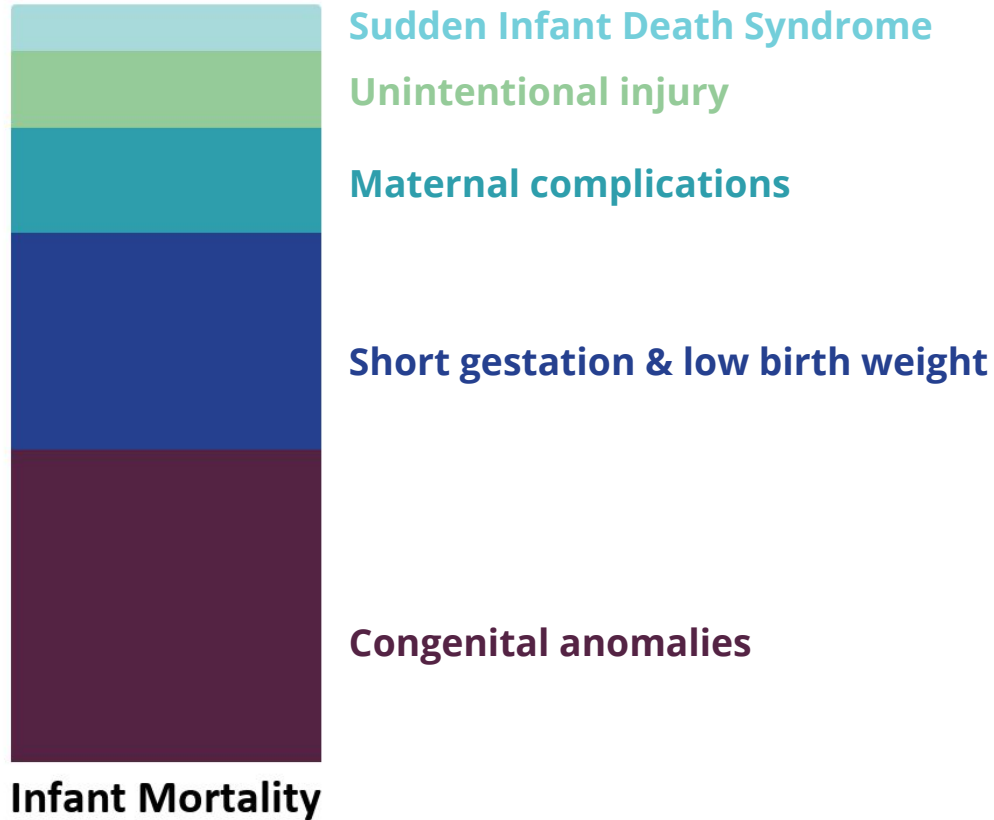


Arizona Core Measure Impact, 2019



✓ *Positive impact includes measures where Arizona is standard deviations from the national average.¹²*

MATERNAL & INFANT HEALTH



In 2018, **Congenital malformations, deformations and chromosomal abnormalities** were the leading cause of infant deaths.

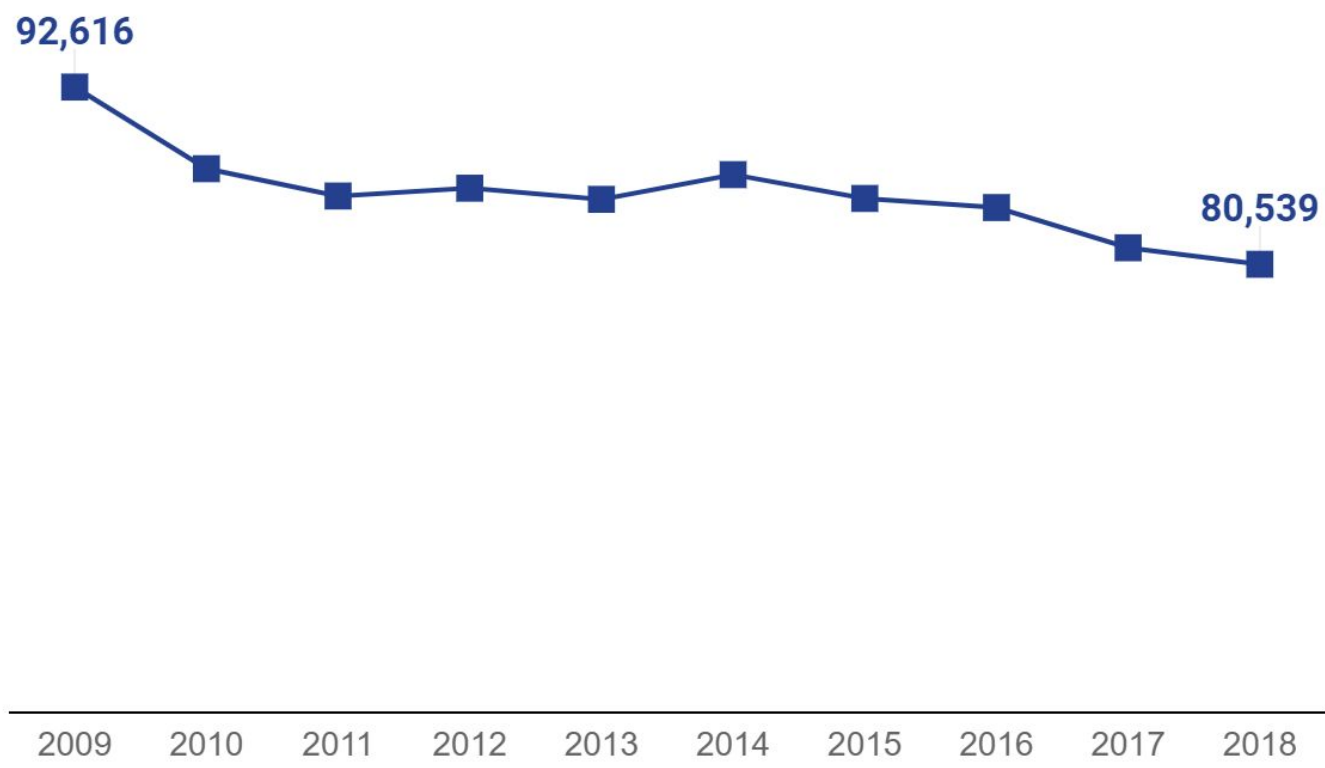
14%

Arizona has experienced a **14% decrease** in birth rate over the past 10 years

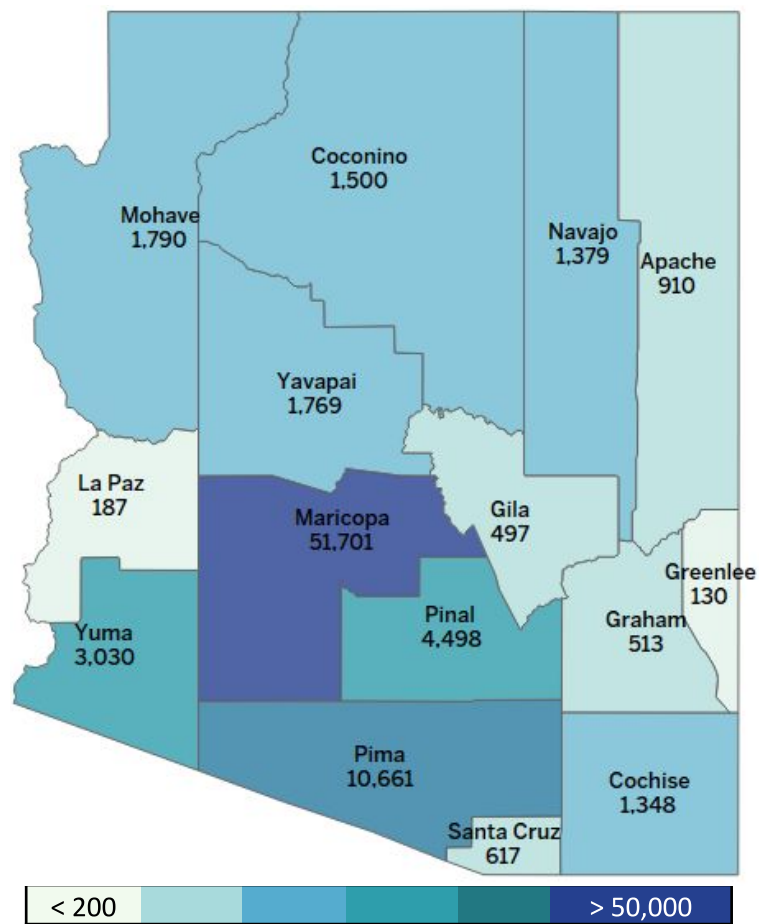
36

Infants died due to **bed sharing** with adults and/or other children in 2018

Births, Arizona, 2009 - 2018

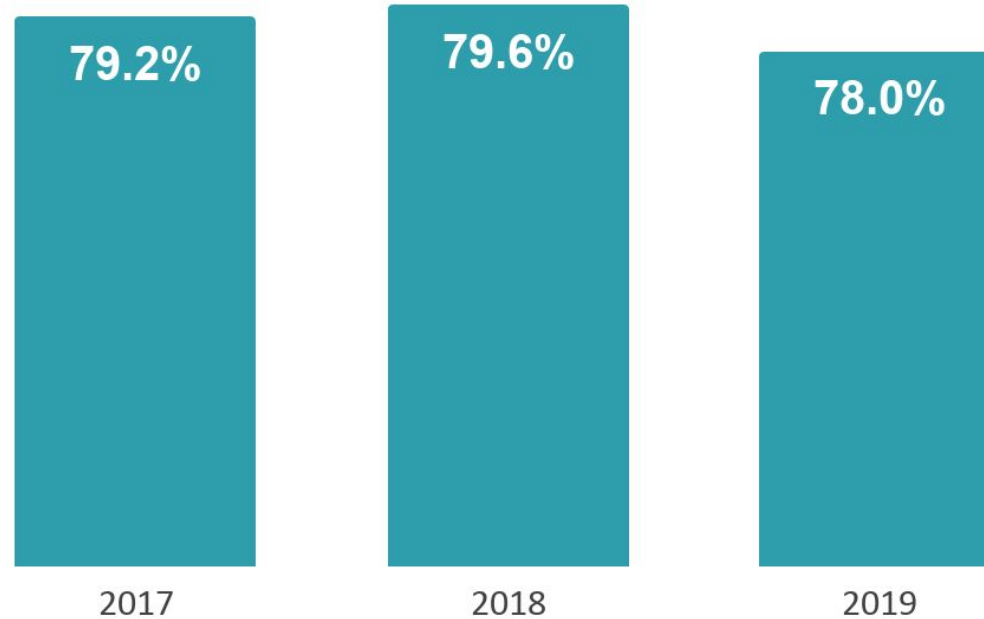


Births, by County of Residence, 2018

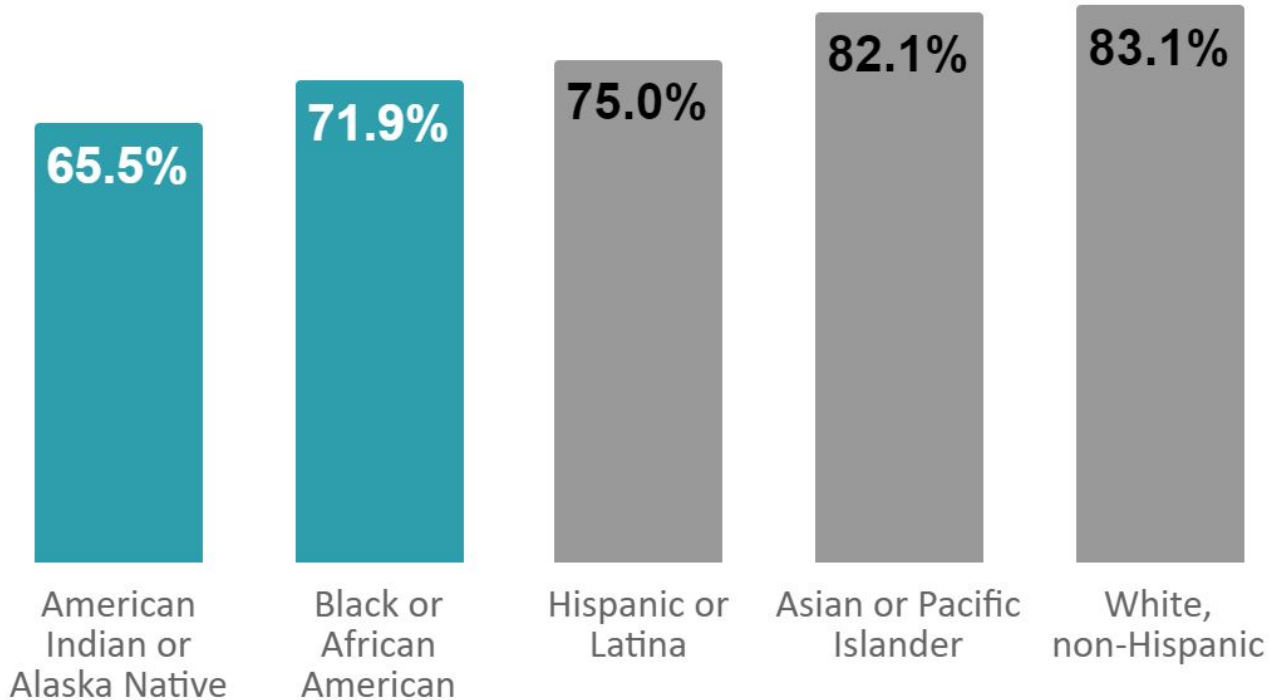


Note: May include records with unknown county of residence.

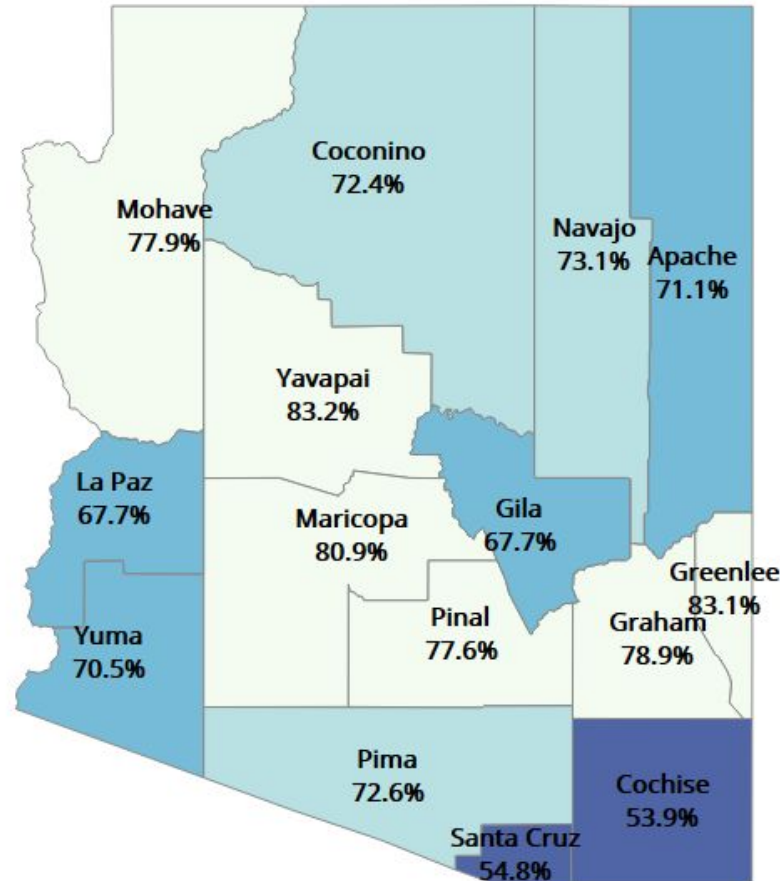
Percent of Women Receiving Intermediate or Adequate Prenatal Care, 2017 - 2019



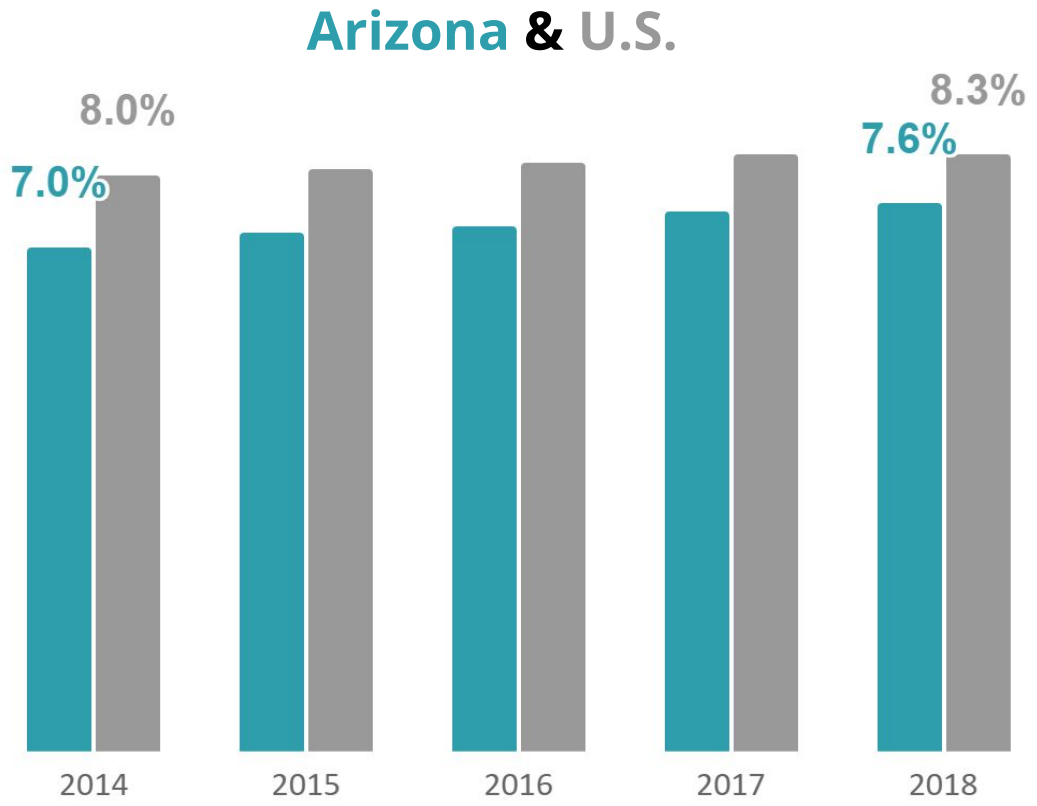
Percent of Women Receiving Intermediate or Adequate Prenatal Care, by Race & Ethnicity, 2019



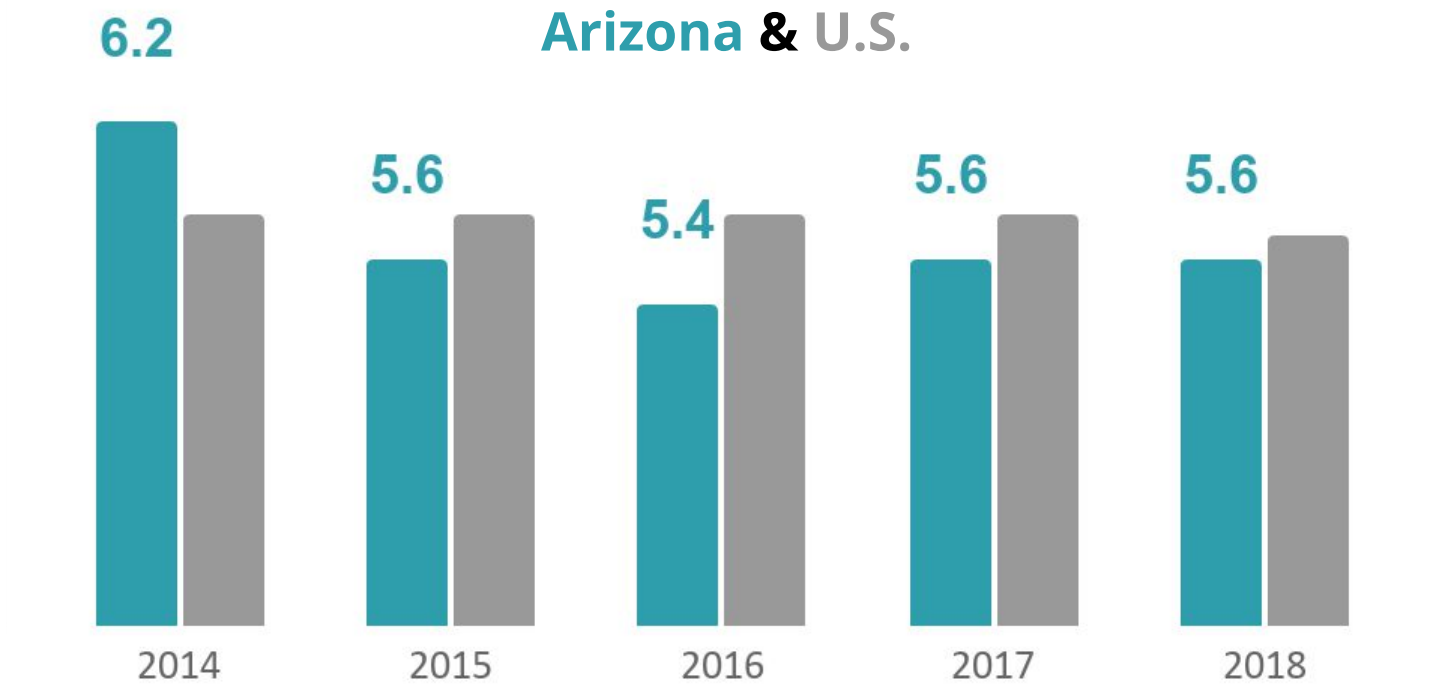
Percent of Women Receiving Intermediate or Adequate Prenatal Care, by County, 2019



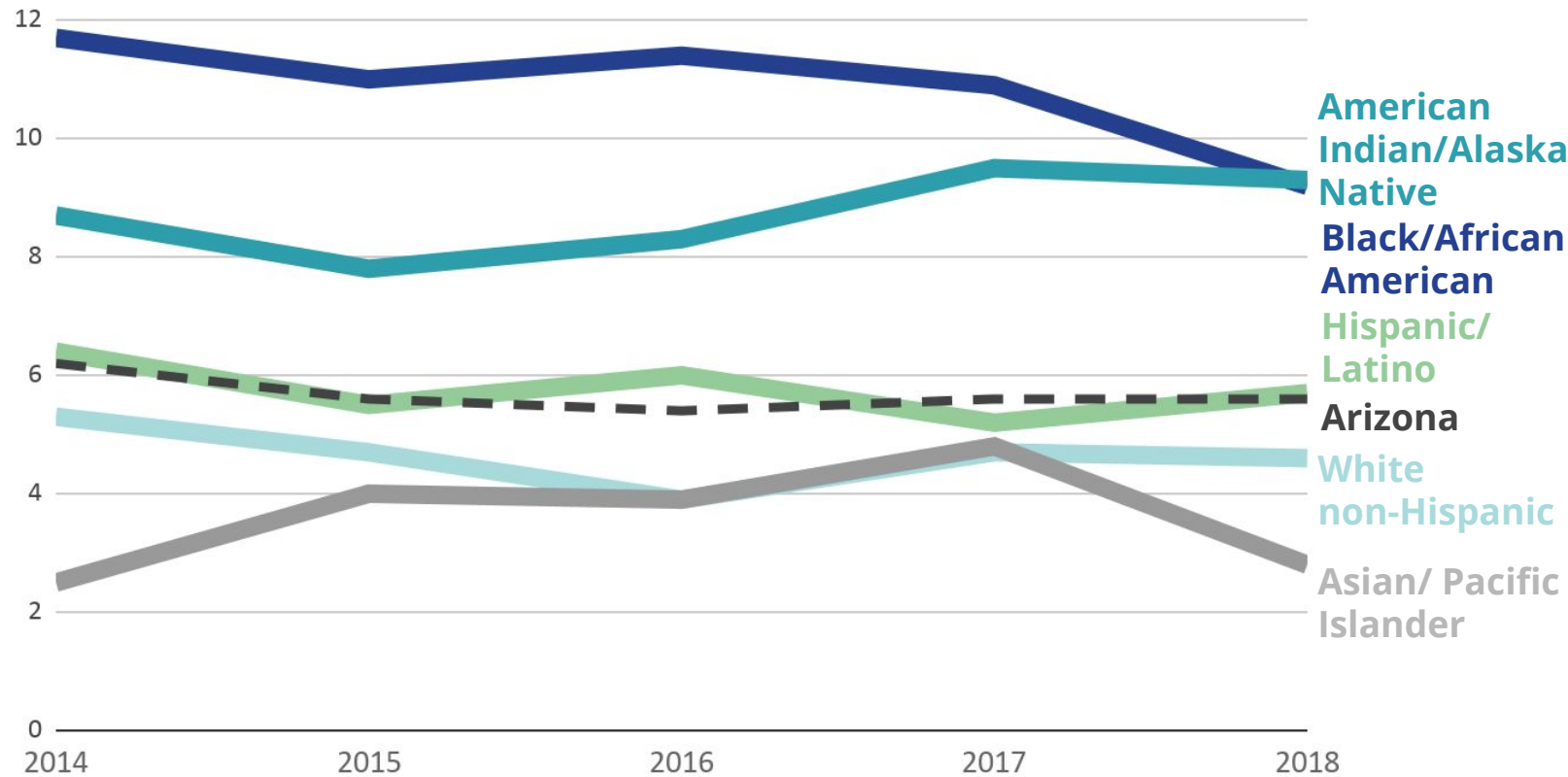
Percent of Infants at a Low Birthweight, 2014 - 2018



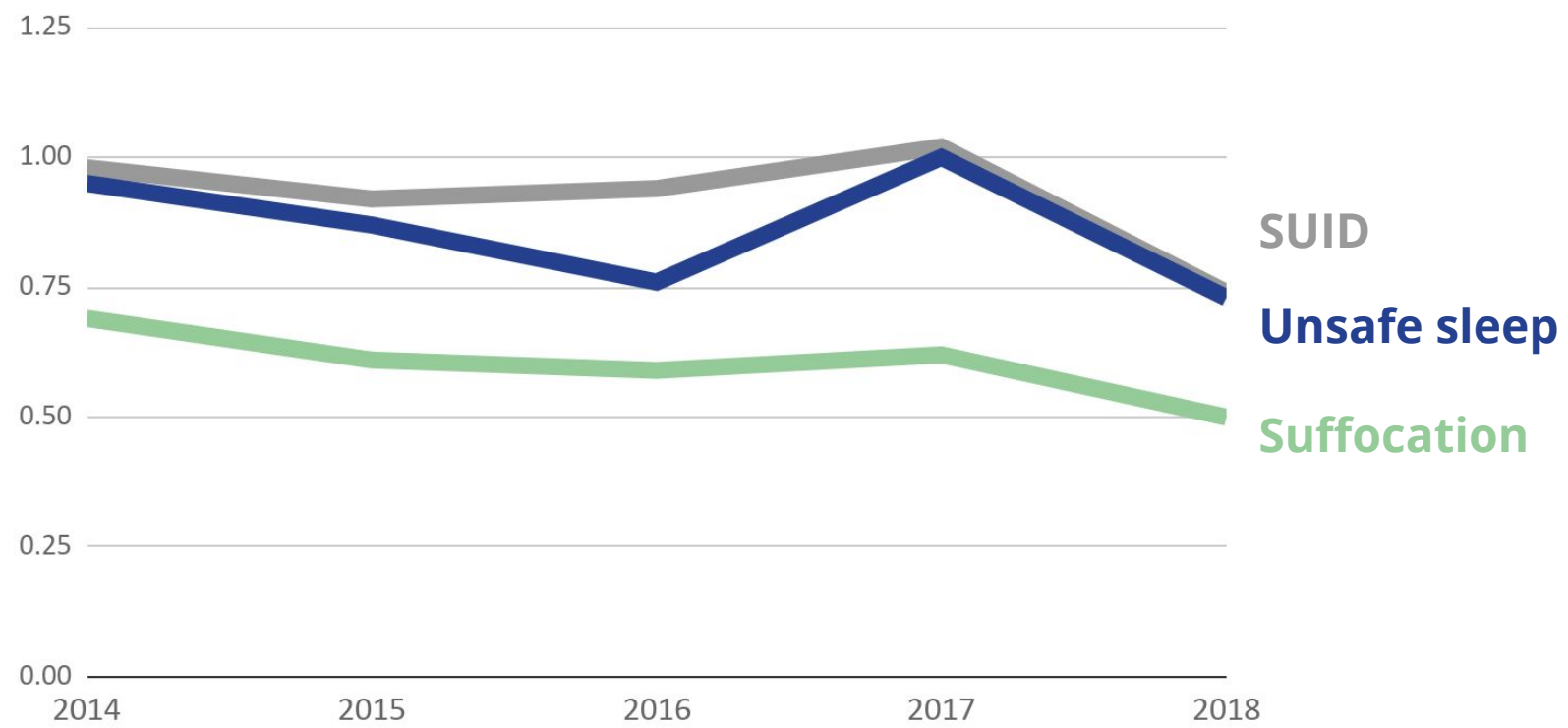
Infant Mortality Rate, 2014 - 2018



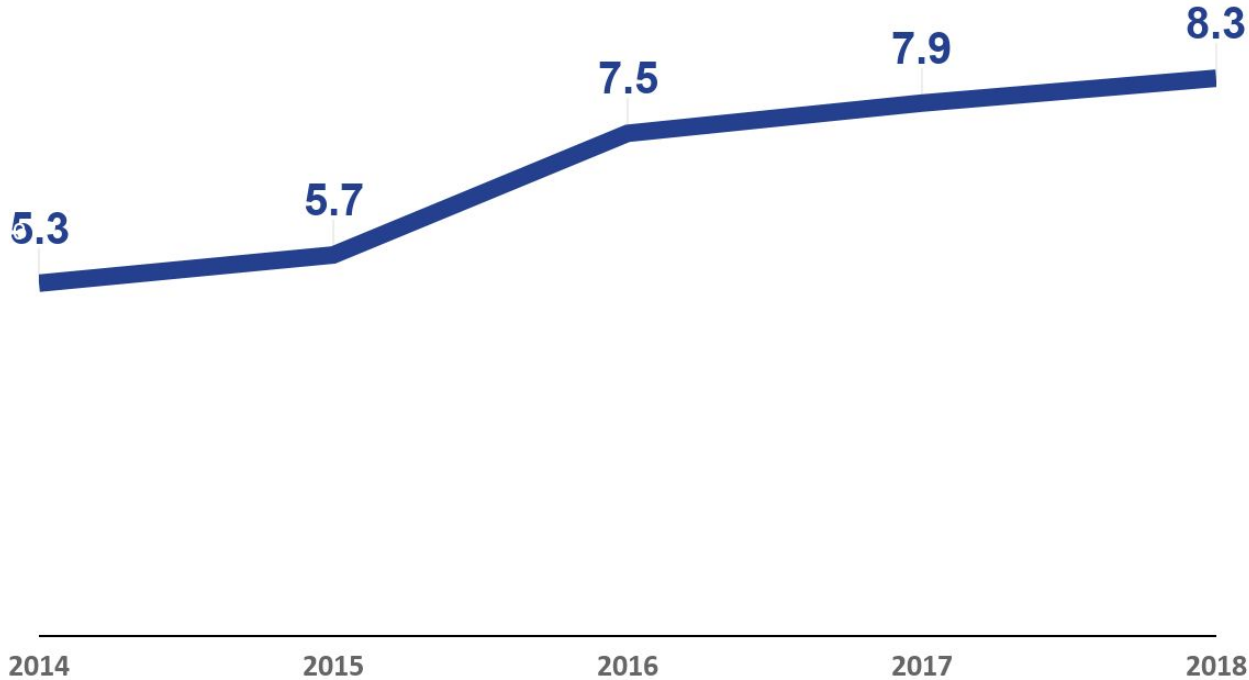
Infant Mortality Rate, by Race & Ethnicity, 2014 - 2018



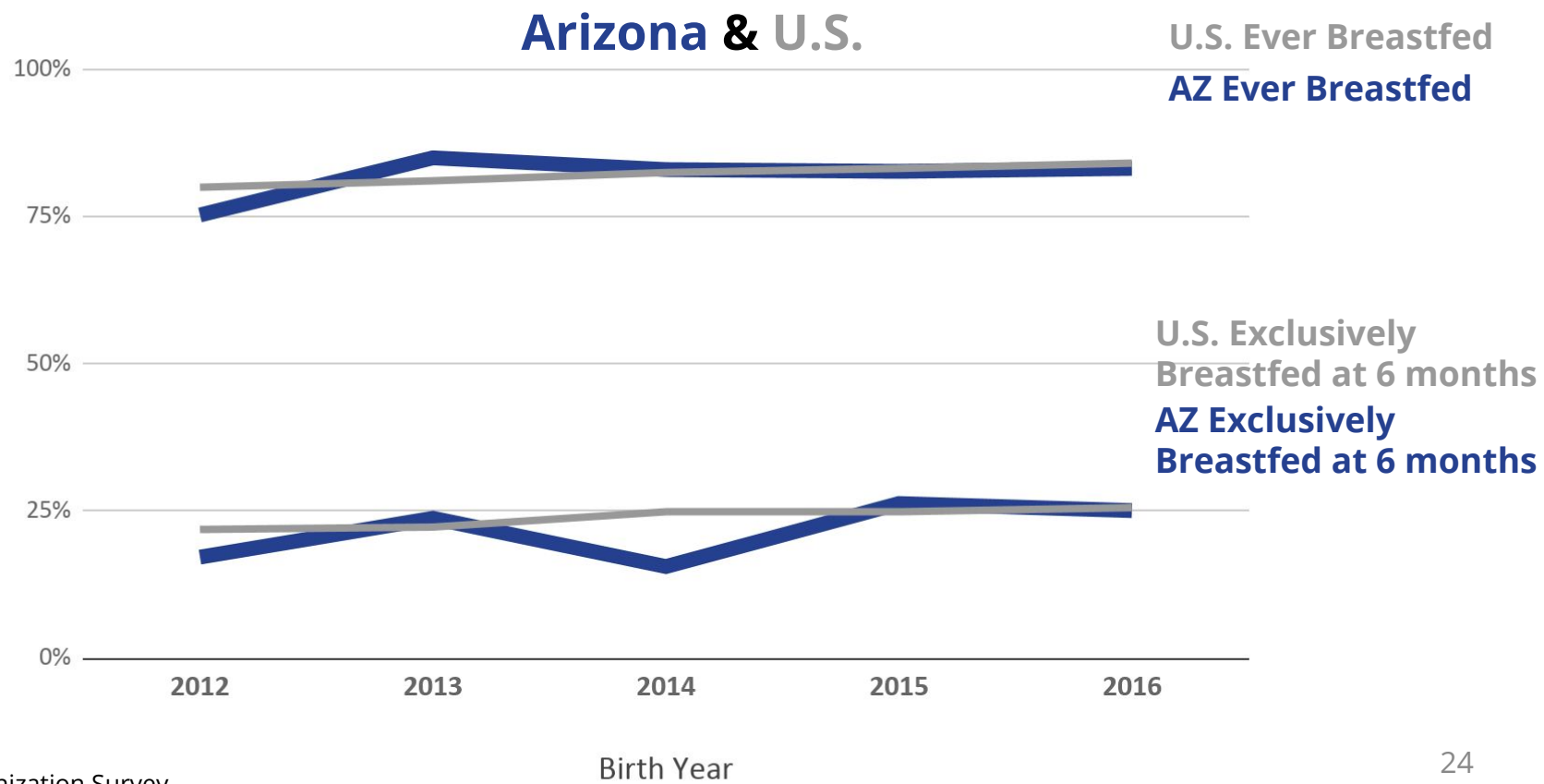
Infant Mortality Rate due to SUID, Unsafe Sleep Environments, and Suffocation, 2014 - 2018



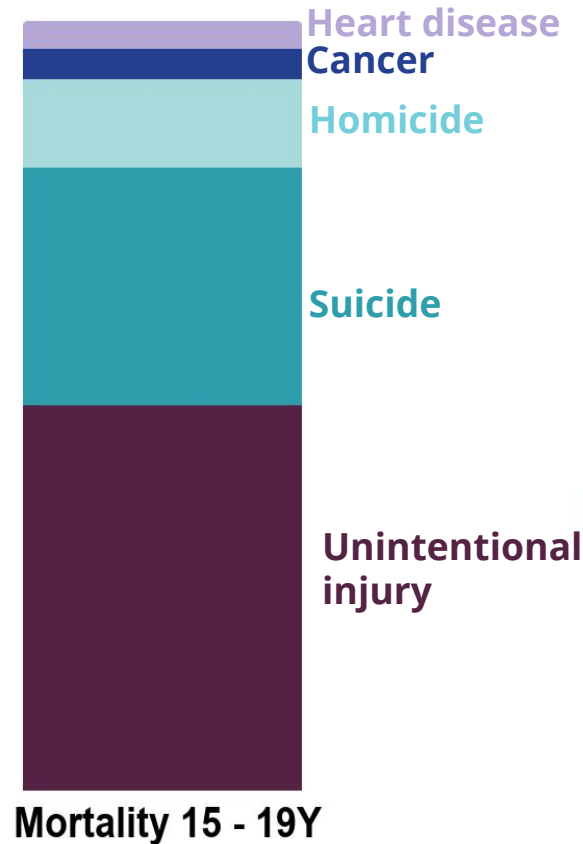
Neonatal Abstinence Syndrome Rates, 2014 - 2018



Reported Breastfeeding Trends, by Infant Birth Year, 2012 - 2016



CHILD & ADOLESCENT HEALTH

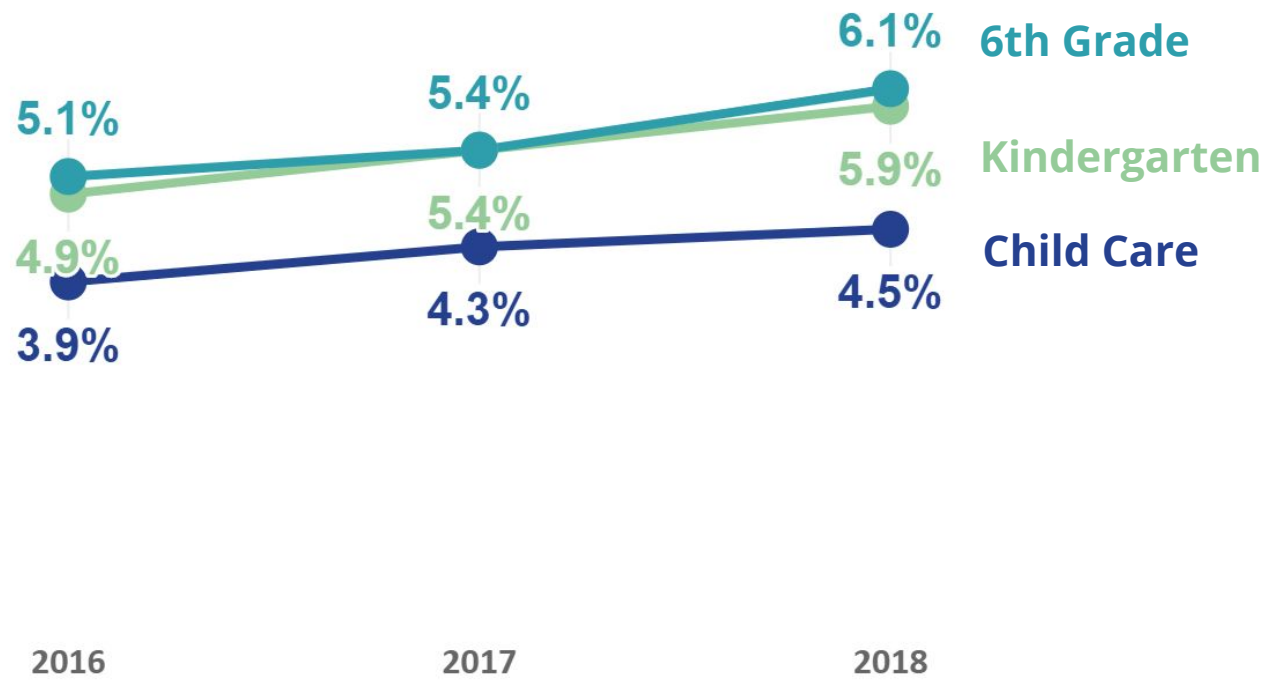


In 2018, **Unintentional injury** was the leading cause of death among children and adolescents.

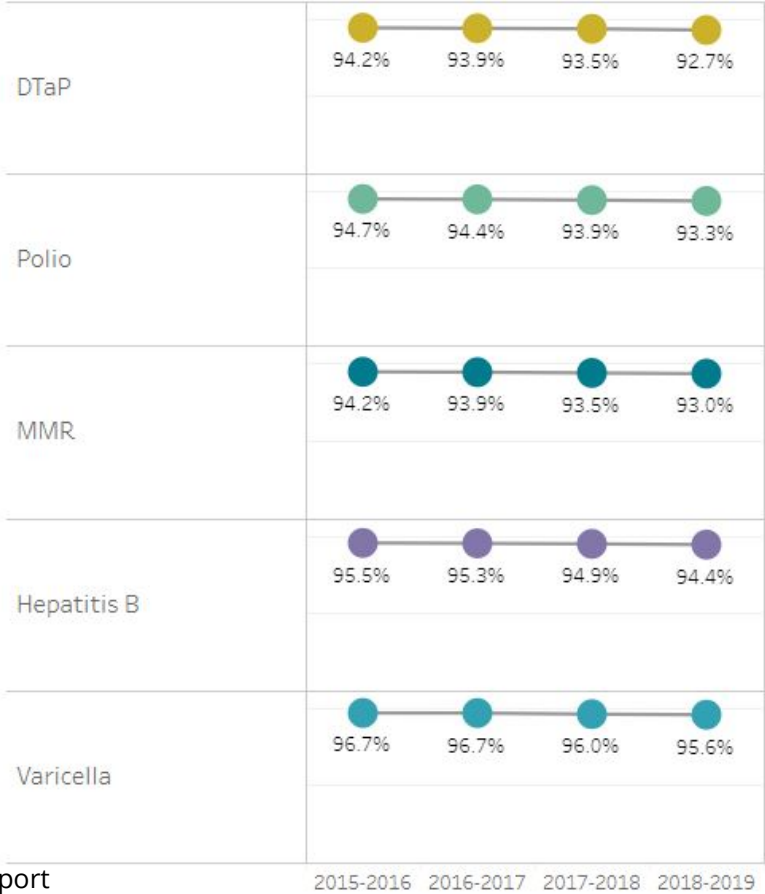


1 in 2 Arizona teens have ever used an electronic vapor product

Non-medical Exemption Rates for Childhood Immunizations, by School Grade, 2016 - 2018

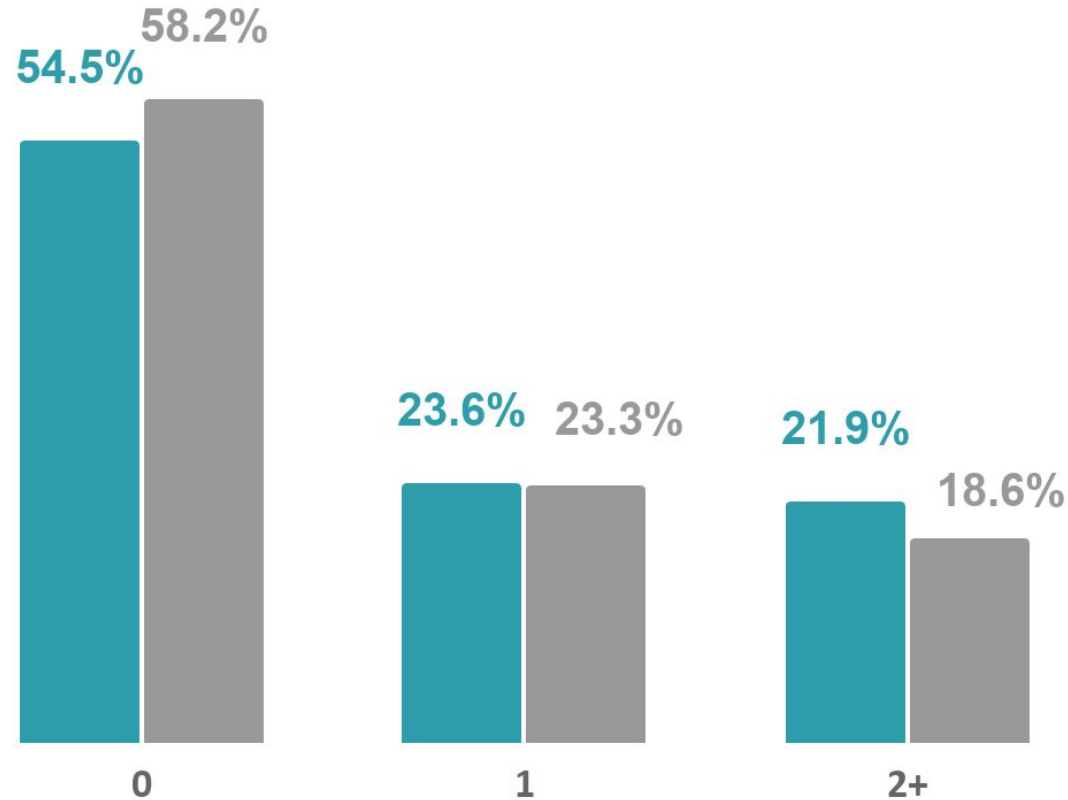


Percent of Students Fully Immunized by Vaccine in Arizona, 2015-2016 to 2018-2019

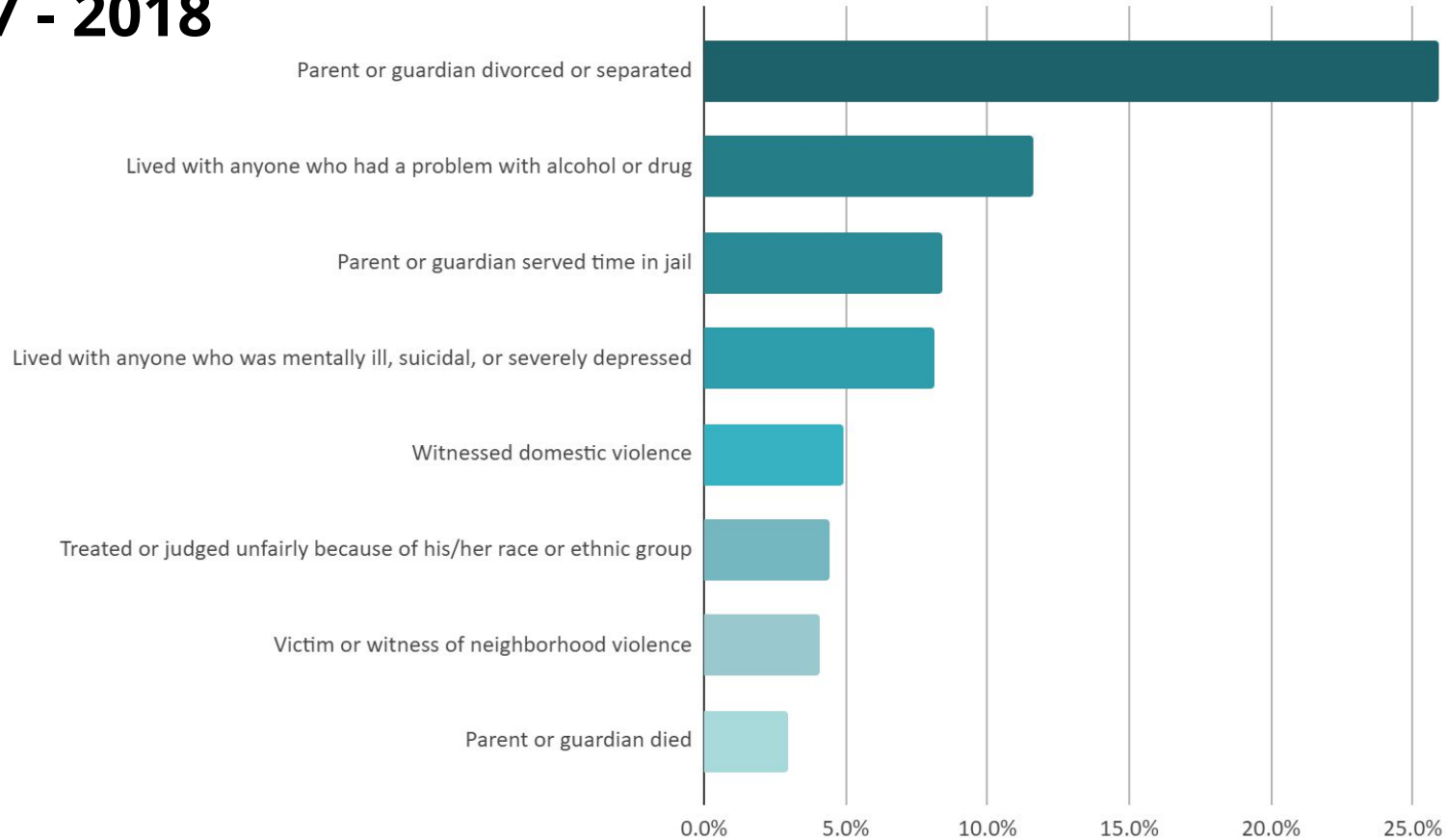


Co-Occurrence of ACEs Among Arizona Children Ages 0 - 17, 2017 - 2018

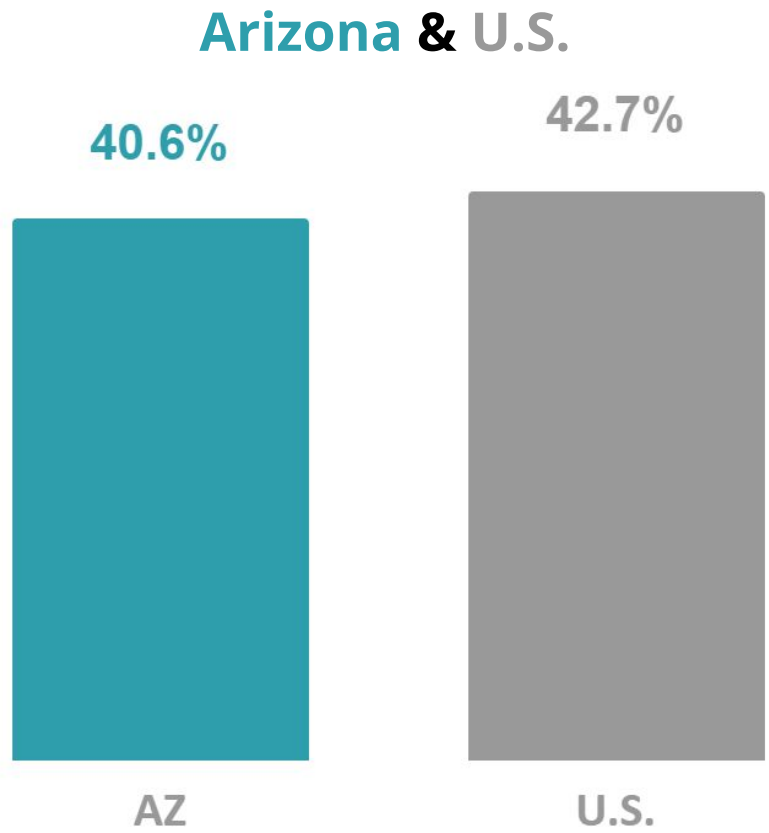
Arizona & U.S.



Prevalence of ACEs Among Arizona Children Ages 0 - 17, 2017 - 2018

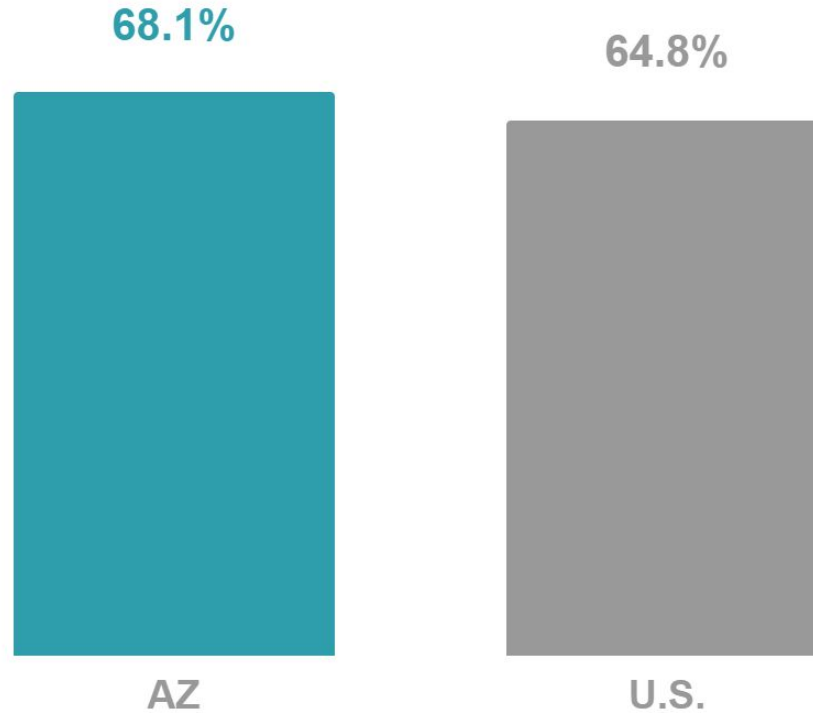


Percent of Children with a Special Healthcare Need Who Have a Medical Home, 2017 -2018

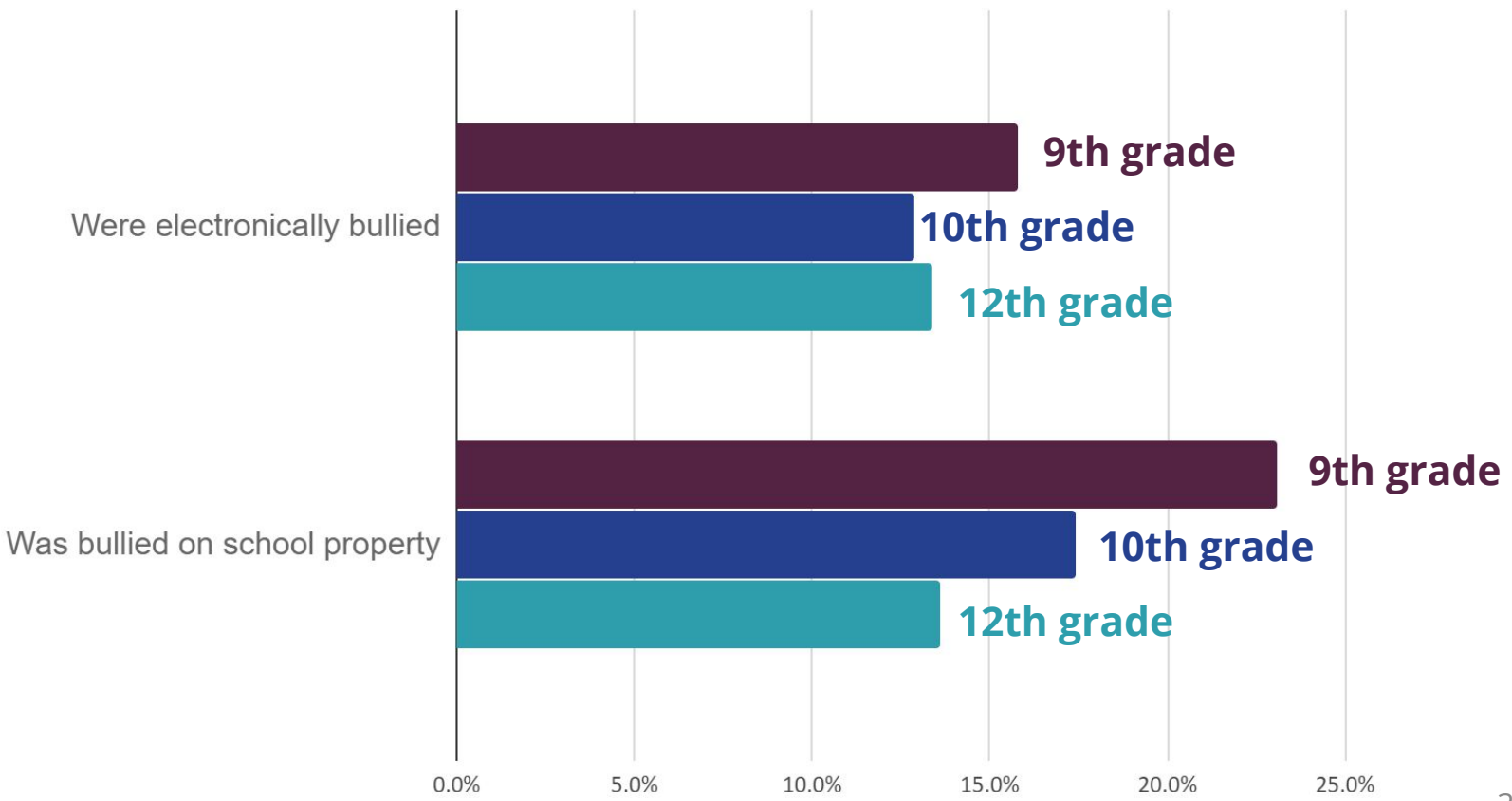


Percent of Arizona Adolescents Completing a Preventive Medical Visit in Past Year, 2017 - 2018

Arizona & U.S.

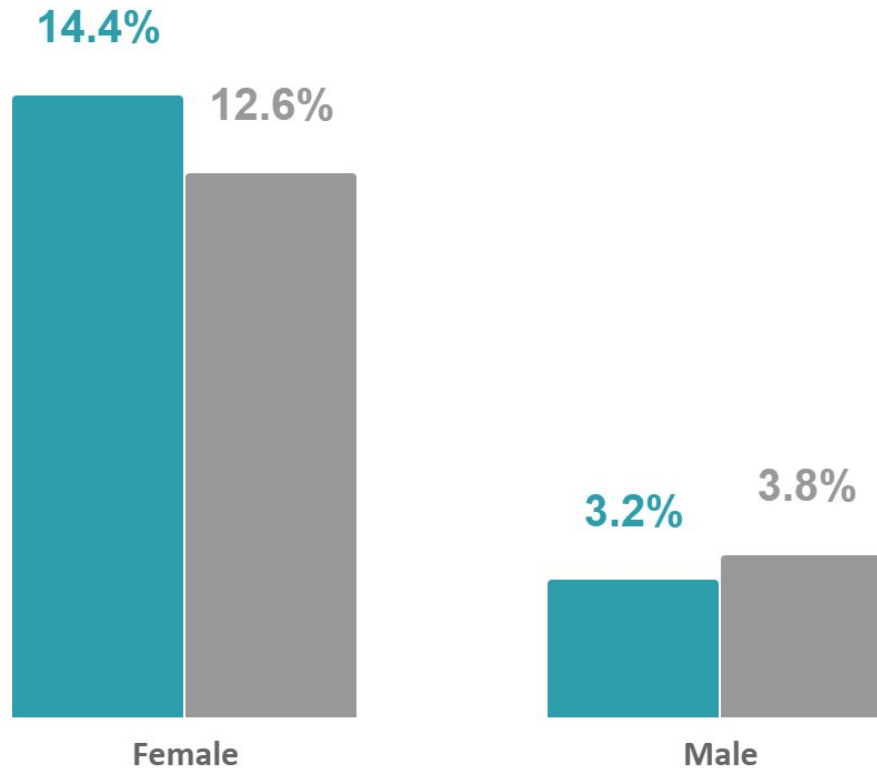


Percent of Arizona High School Students Who Reported Bullying Experience, by School Grade, 2019

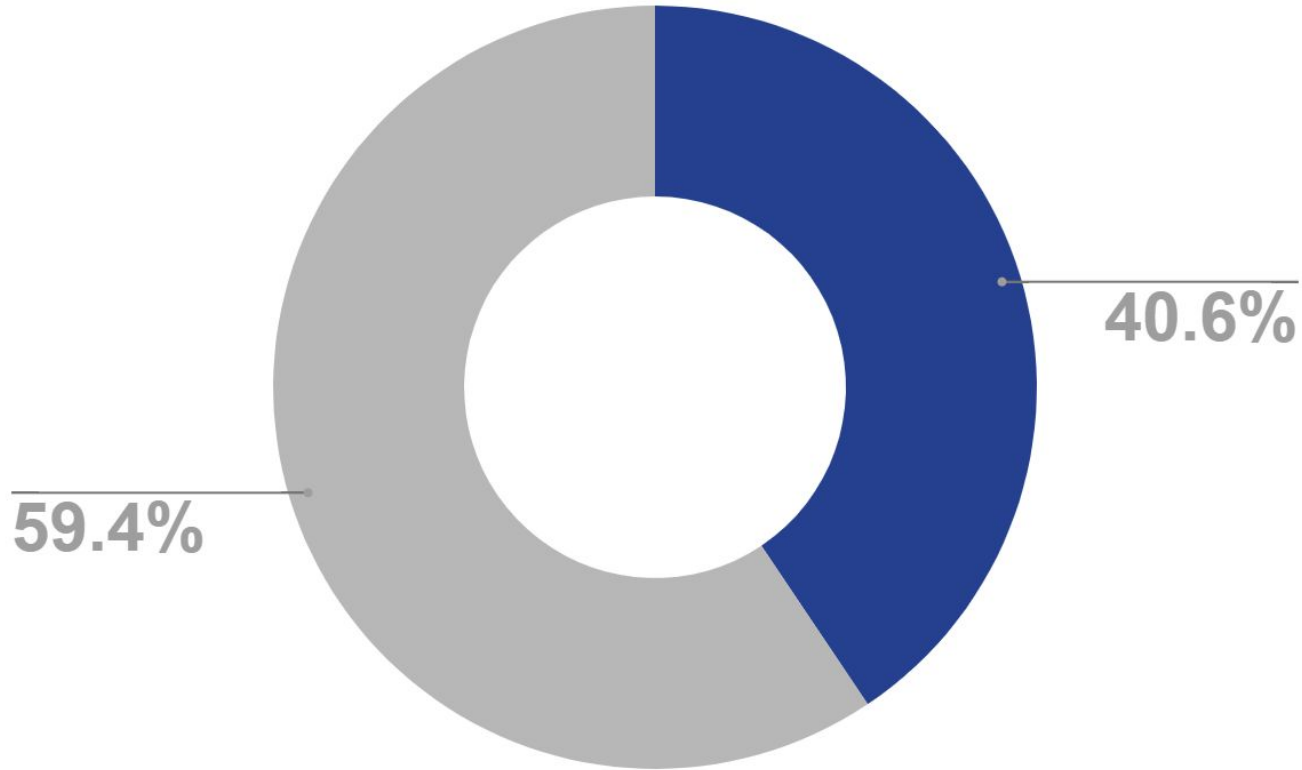


Percent of Arizona High School Students Who Reported Experiencing Sexual Dating Violence, by Sex, 2019

Arizona & U.S.



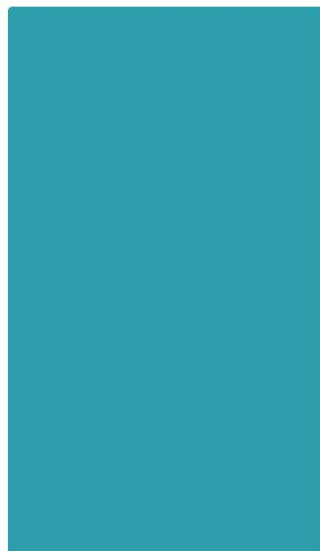
40.6% Percent of Arizona Students Who Reported Feeling Sad or Hopeless, 2019



Percent of High School Students Who Reported Suicide Attempts, Arizona & U.S., 2019

Arizona & U.S.

10.4%



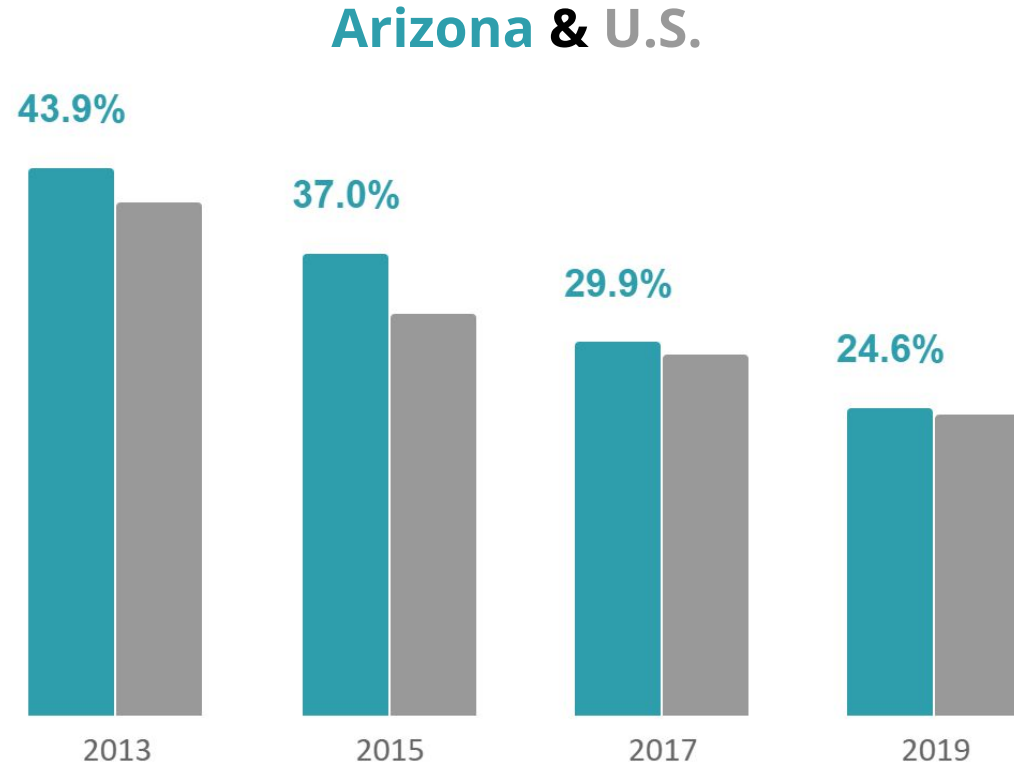
Arizona

8.9%

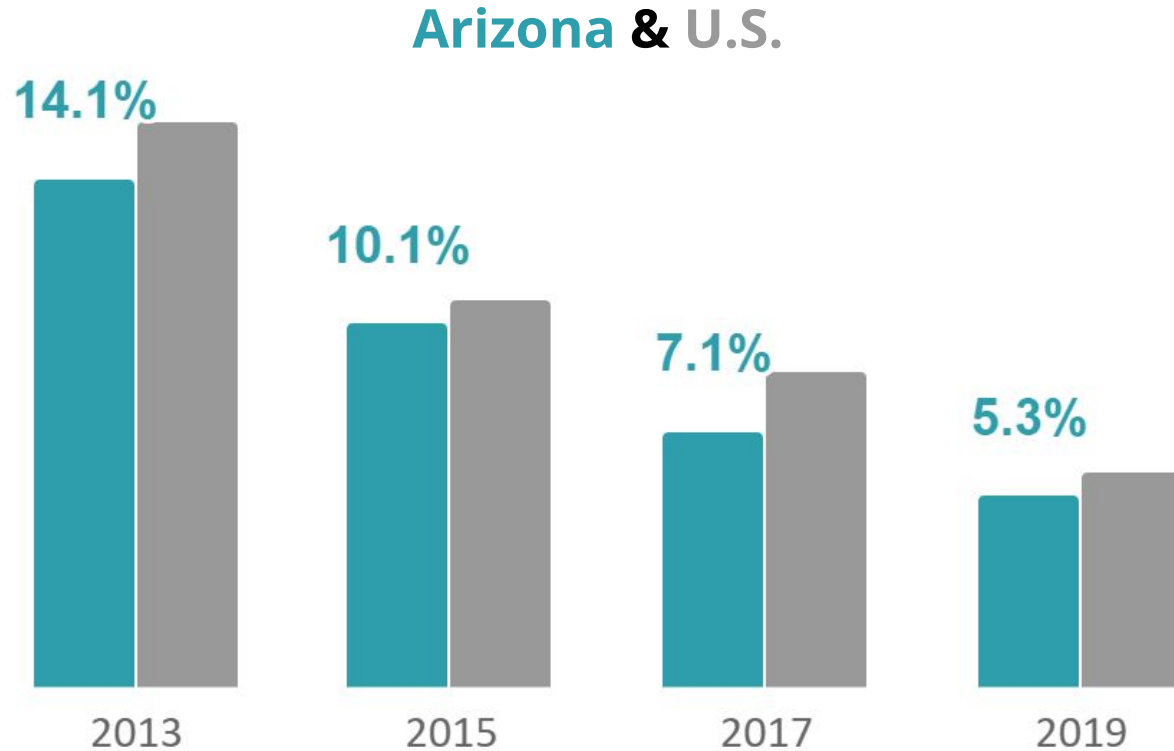


US

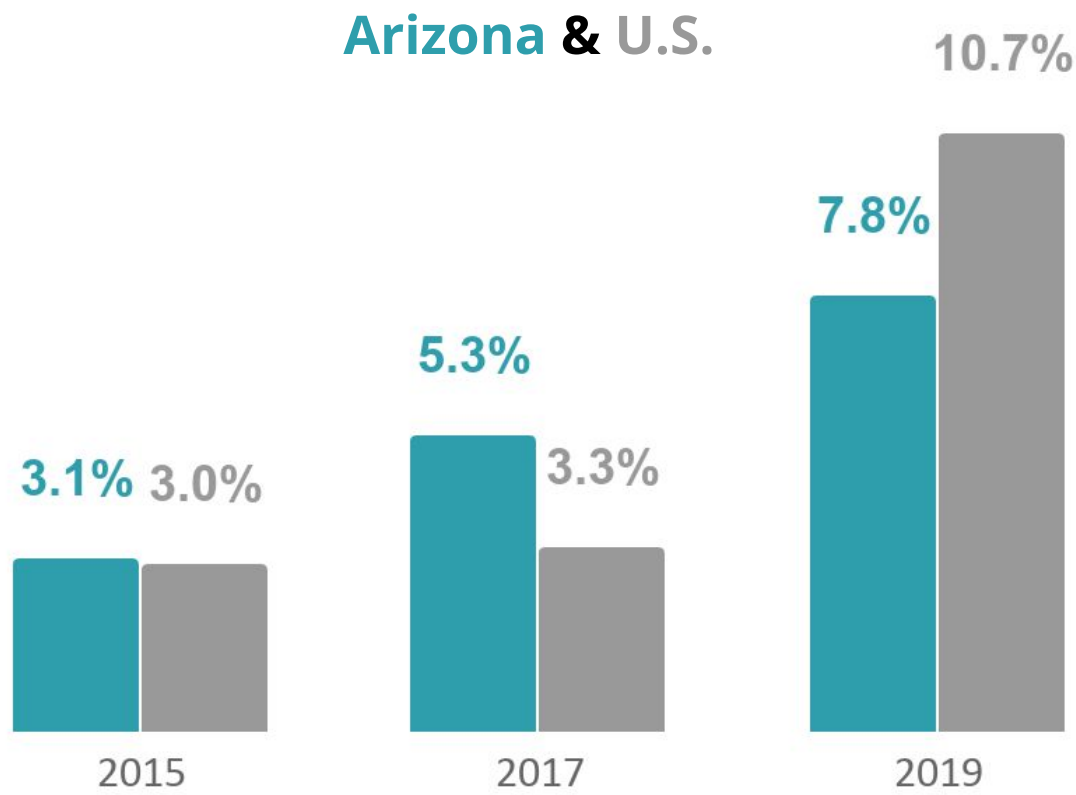
Percent of High School Students Who Reported Ever Trying Cigarette Smoking, Arizona & U.S., 2013 - 2019



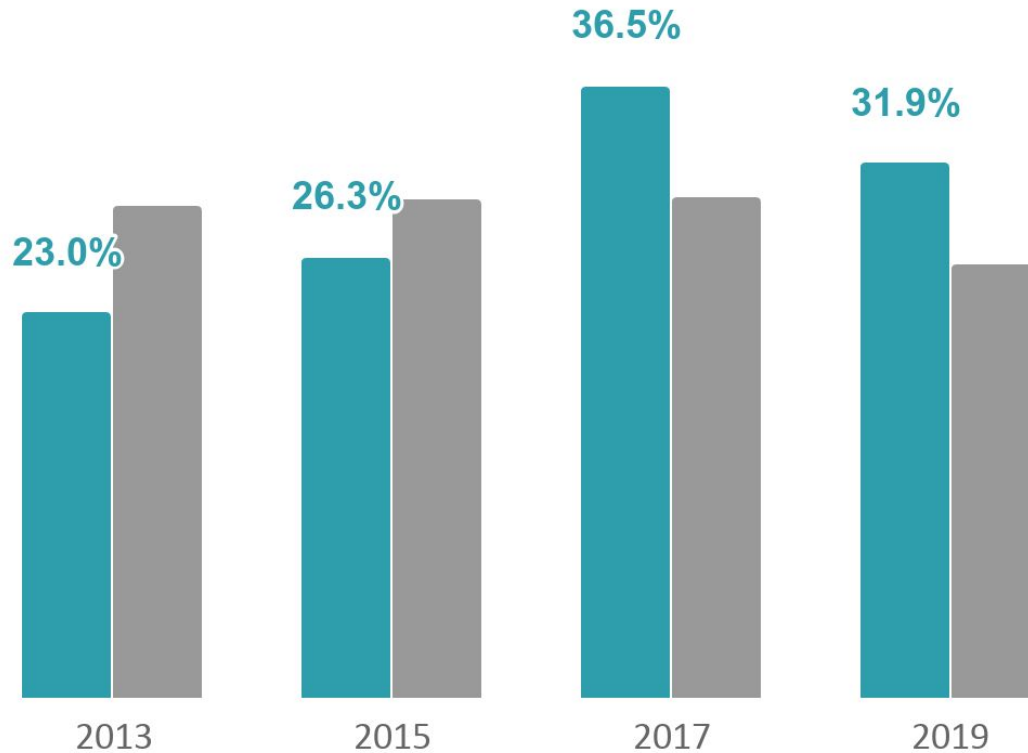
Percent of High School Students Who Reported Current Cigarette Use, Arizona & U.S., 2013 – 2019



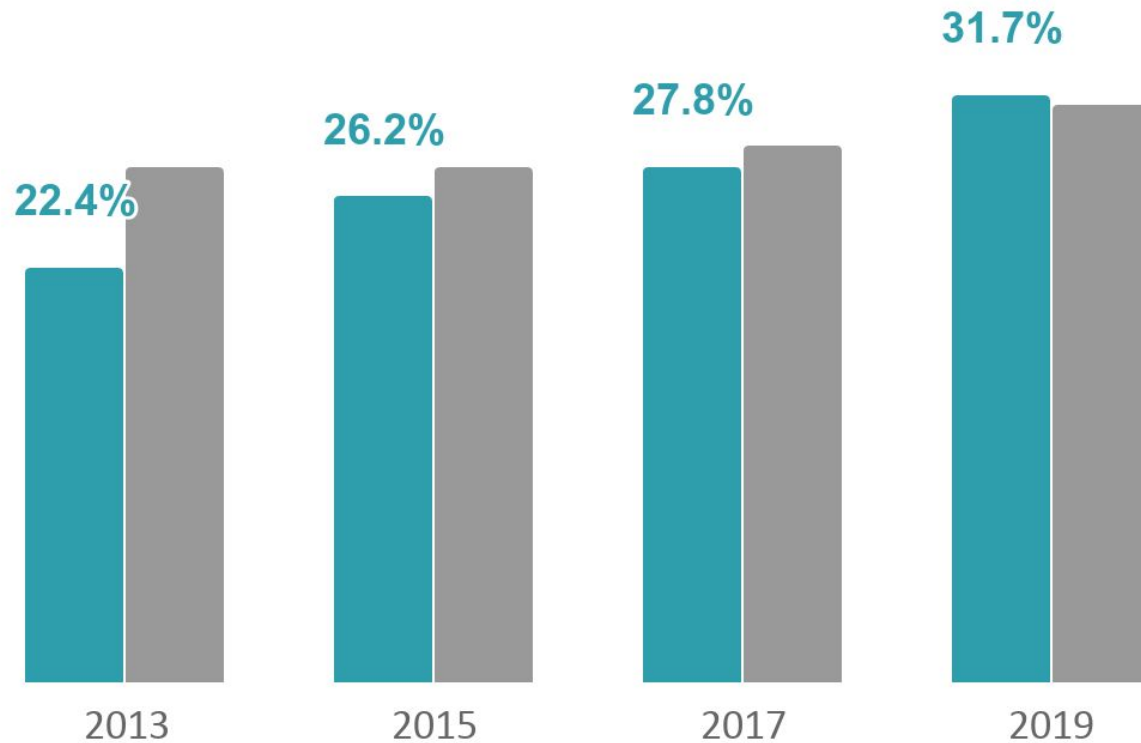
Percent of High School Students Who Reported Frequent Electronic Vapor Product Use, Arizona & U.S., 2015 - 2019



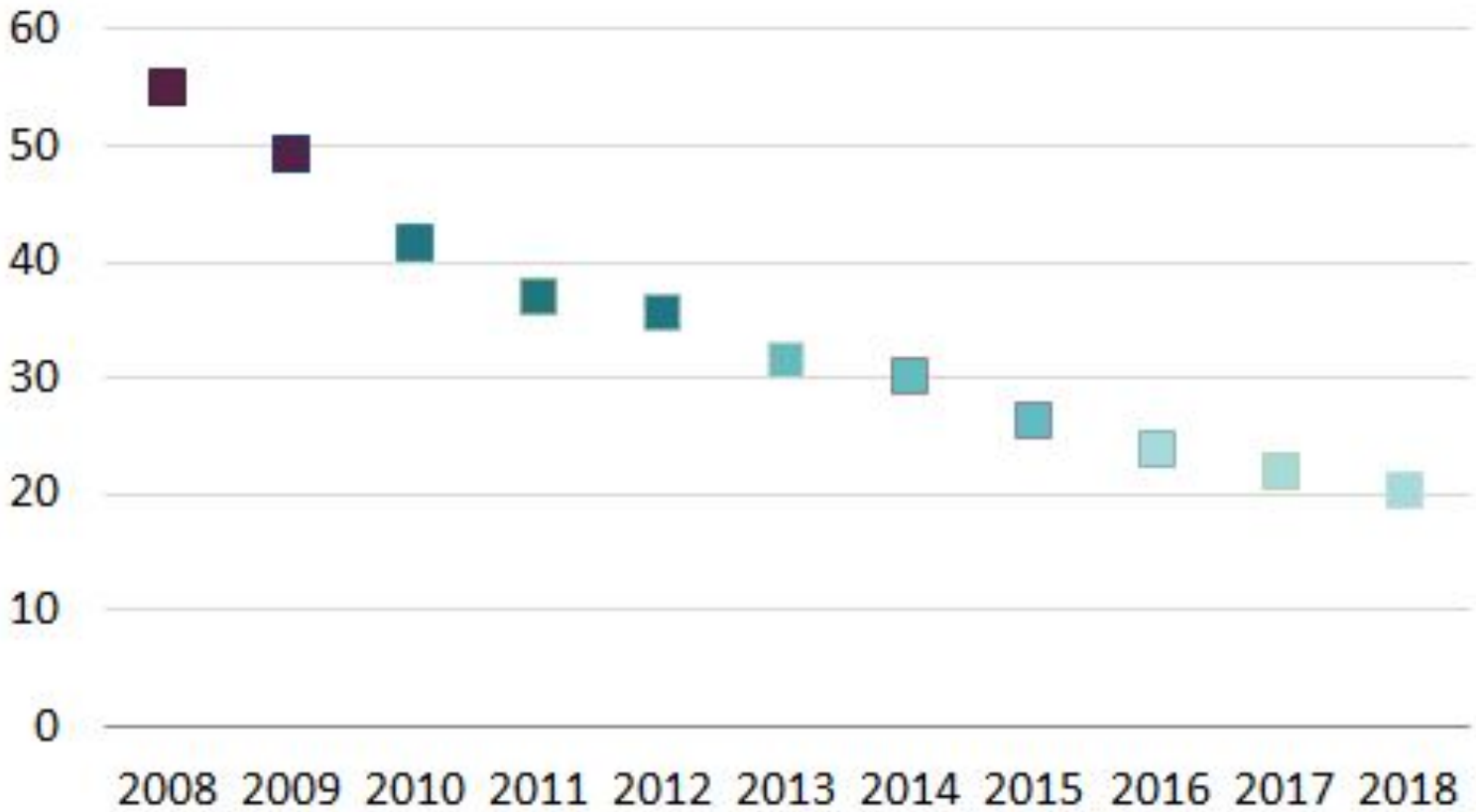
Percent of High School Students Who Reported Attending Physical Education 5 or More Days in One Week, Arizona & U.S., 2013 - 2019



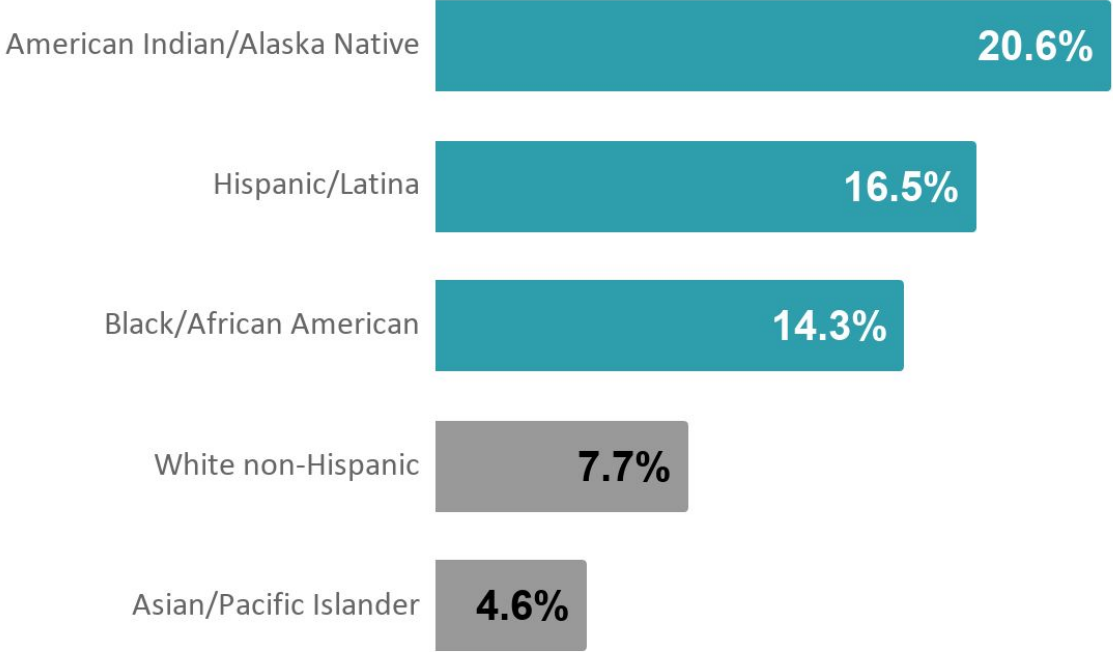
Percent of High School Students Who Reported They Did Not Drink Soda in the Last Week, Arizona & U.S., 2009 - 2019



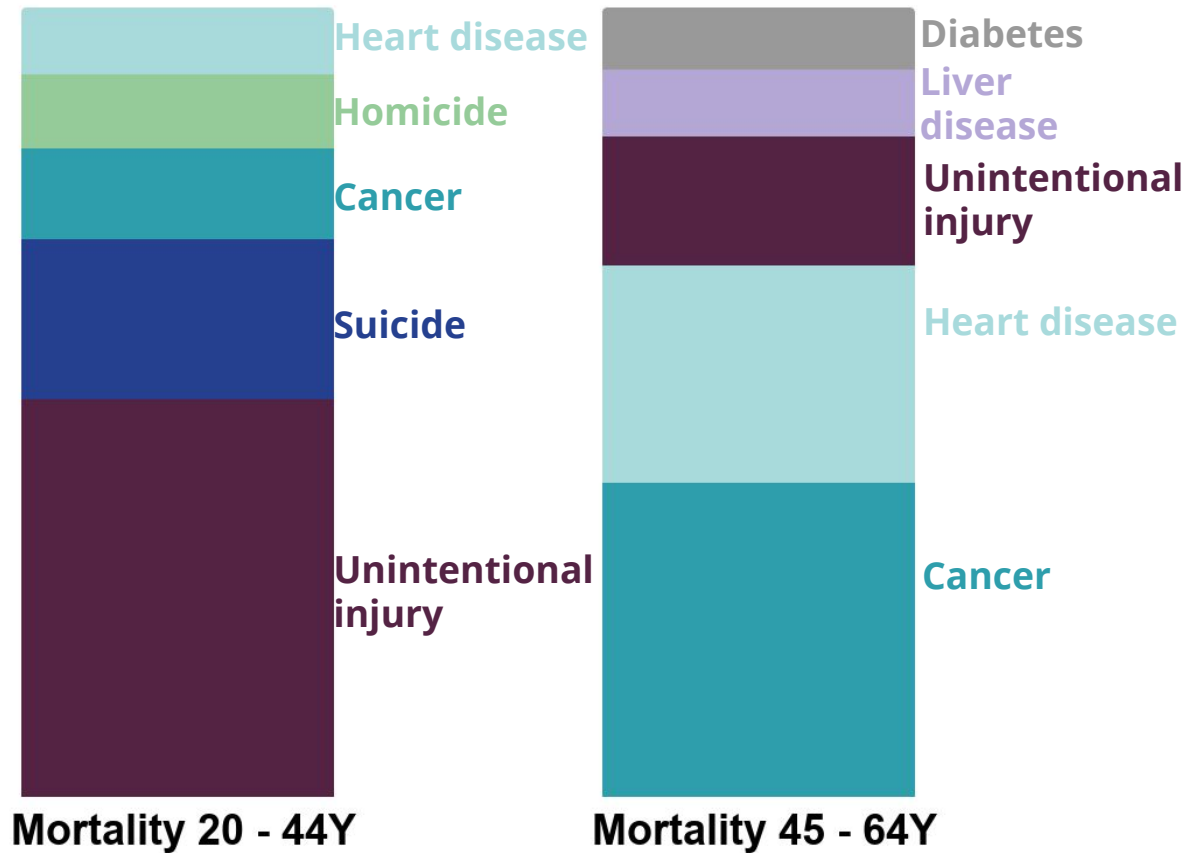
Arizona Teen Birth Rate, 2008 - 2018



Arizona Teen Birth Rate, by Race & Ethnicity, 2018

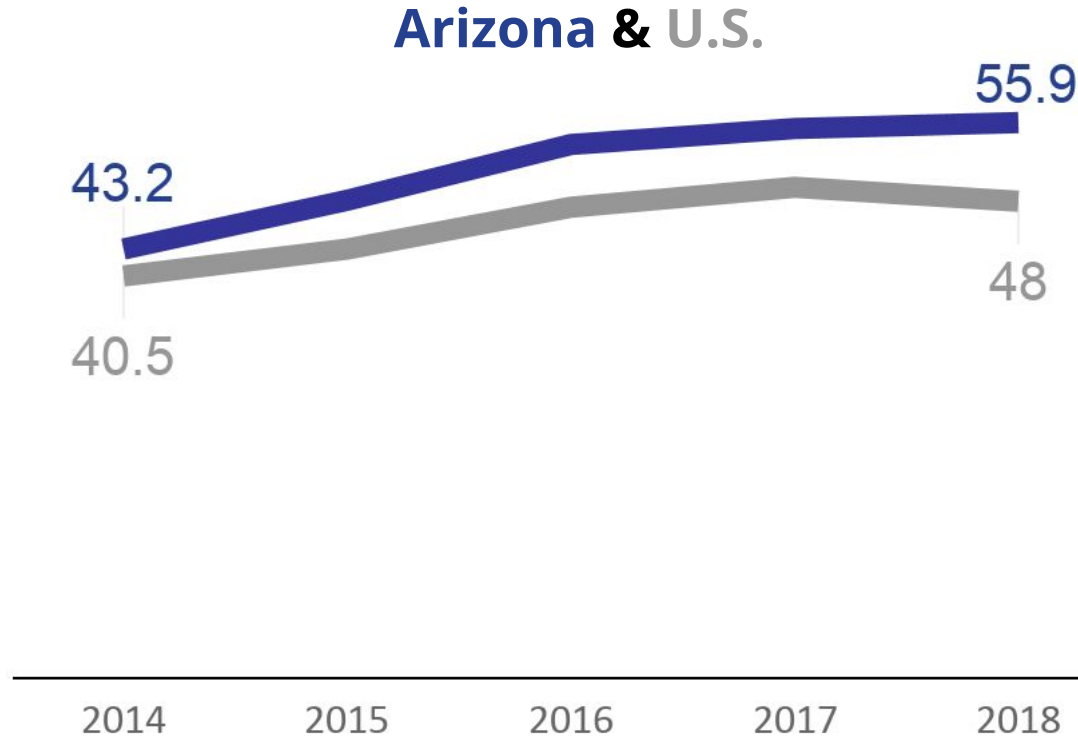


HEALTHY ADULTS

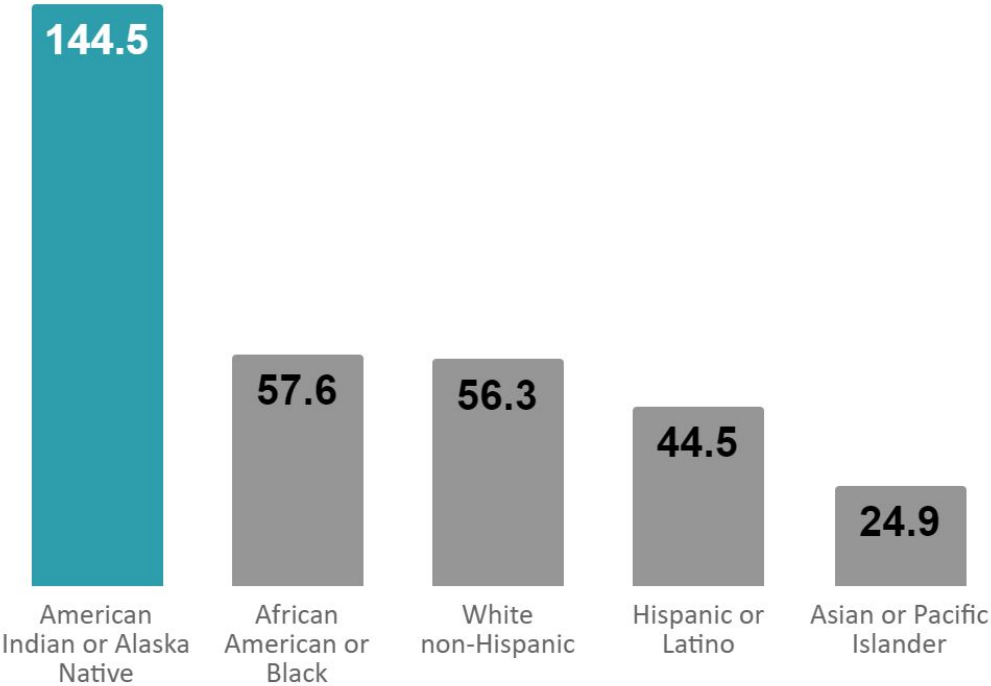


In 2017, **unintentional injury** was the leading cause of death among adults ages 20 - 44, and **cancer** was the leading cause of death among adults ages 45 - 64.

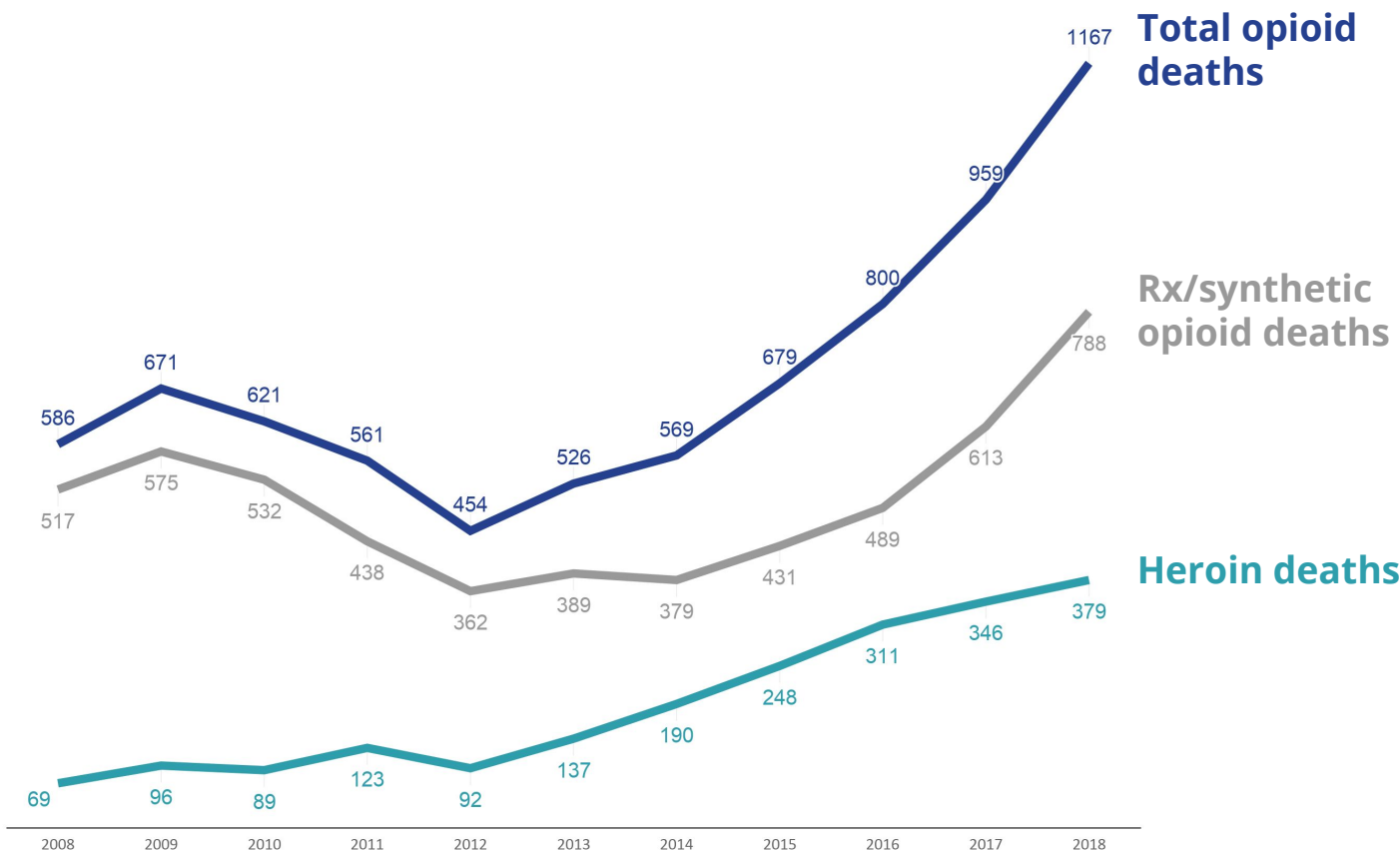
Unintentional Injury Mortality Rate, Arizona & U.S., 2014 - 2018



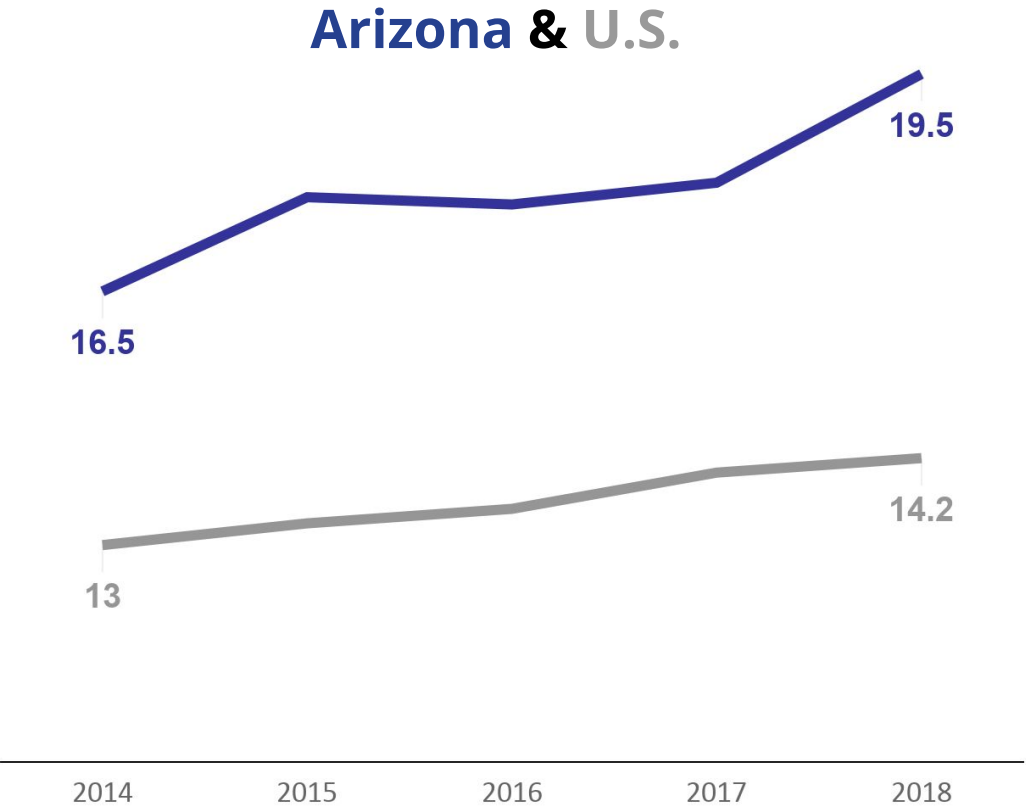
Arizona Unintentional Injury Mortality Rate, by Race & Ethnicity, 2018



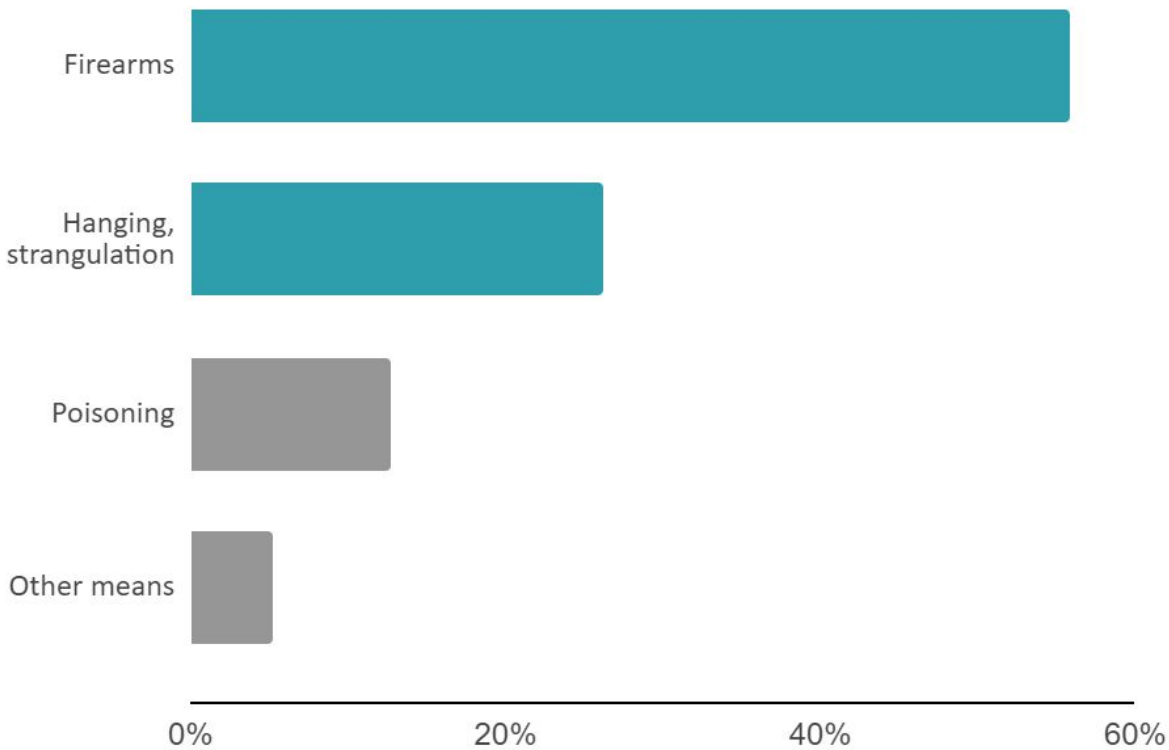
Opioid Deaths in Arizona, 2008 - 2018



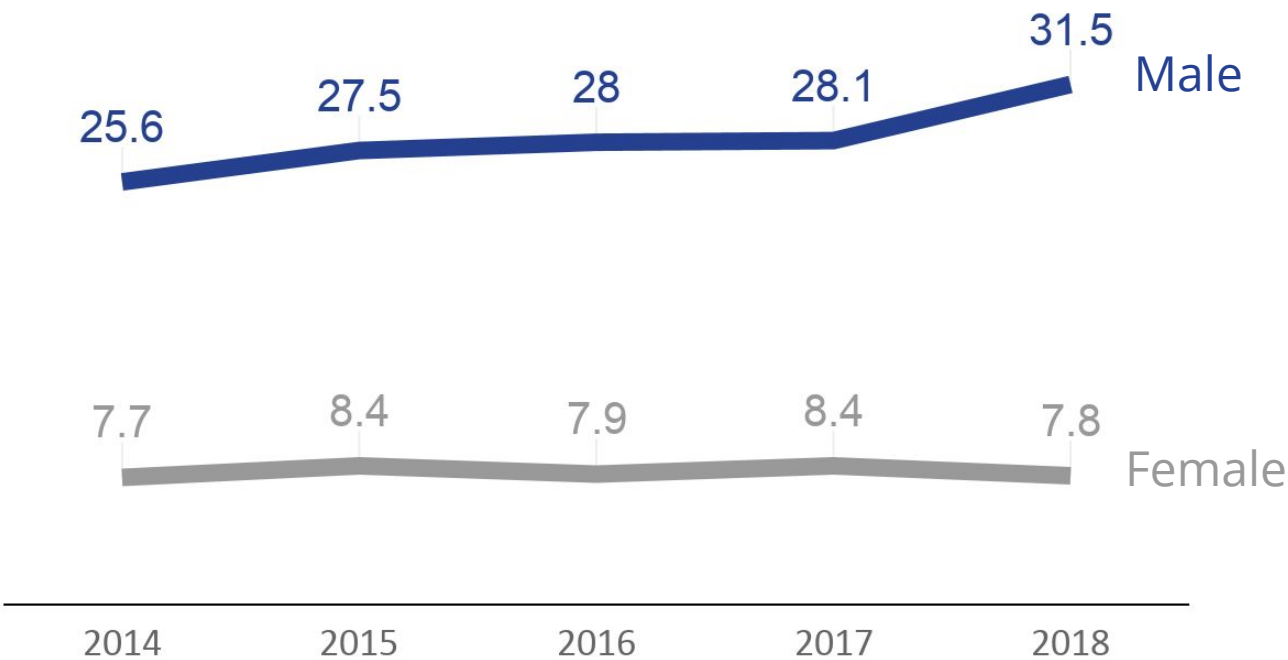
Suicide Age-Adjusted Mortality Rate, Arizona & U.S., 2014 - 2018



Suicide Mortality, by Mechanism, 2018

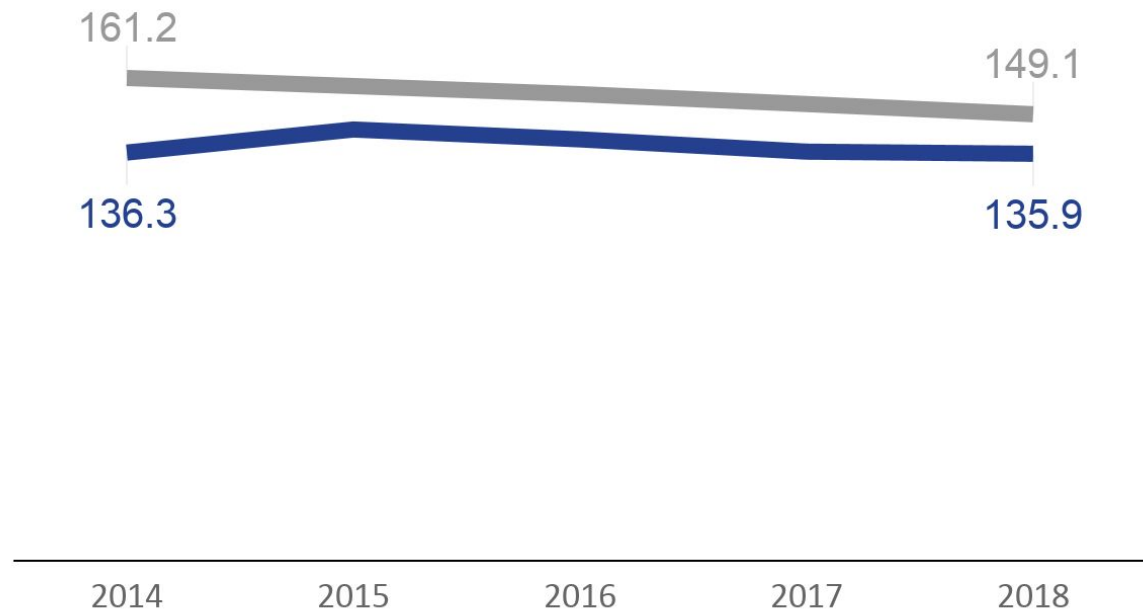


Arizona Suicide Mortality Rate, by Age Group & Sex, 2014 - 2018

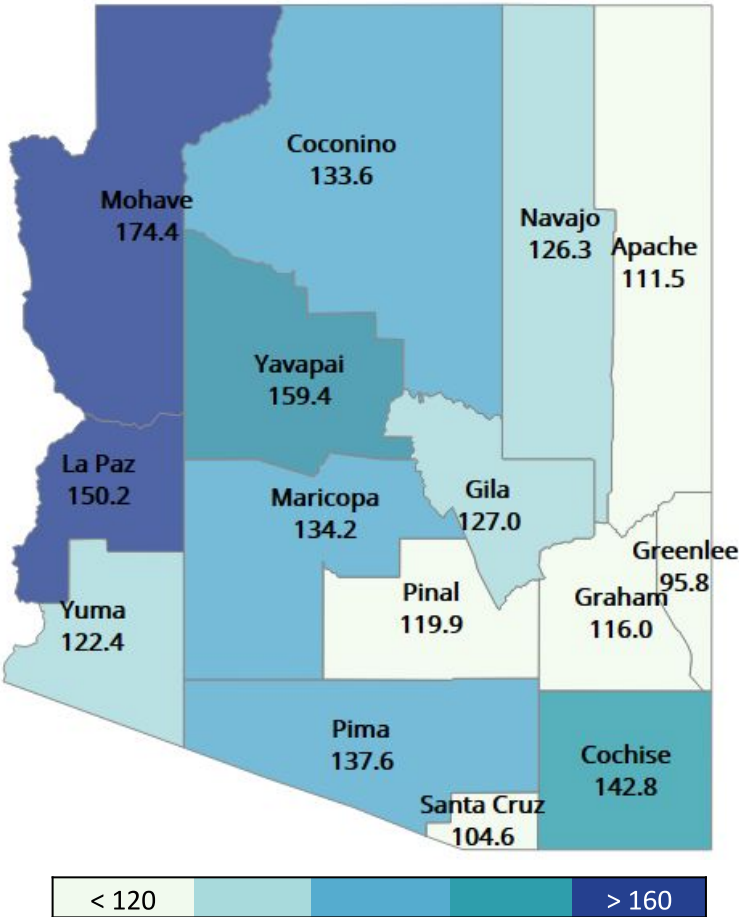


Cancer Mortality Rate, Arizona & U.S., 2014 - 2018

Arizona & U.S.

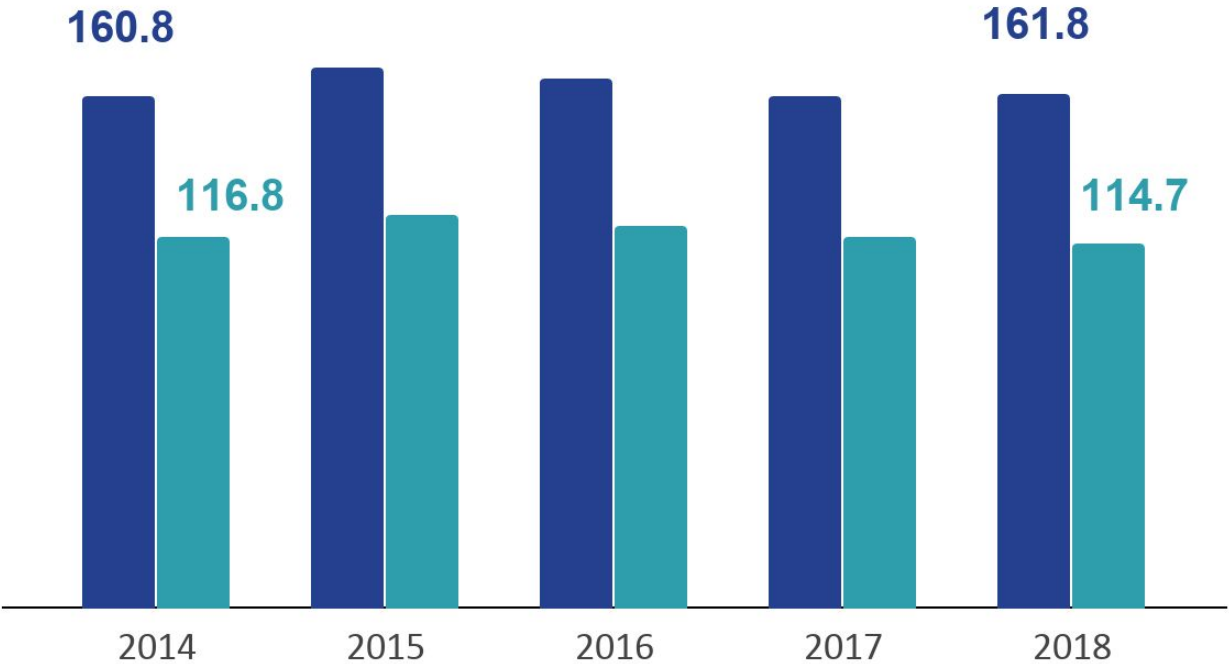


Arizona Cancer Mortality Rate Per 100,000 Population, by County, 2018

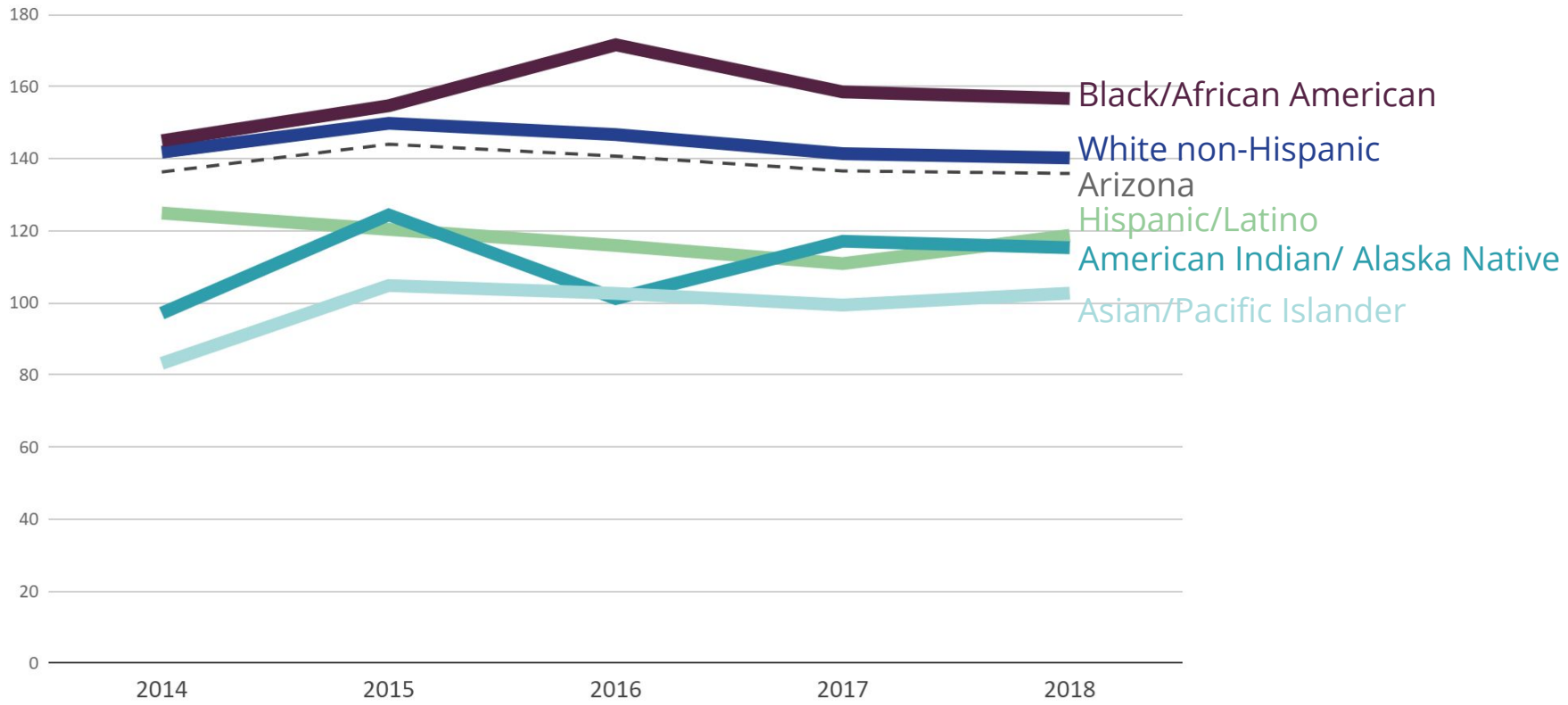


Arizona Cancer Mortality Rate, by Sex, 2014 - 2018

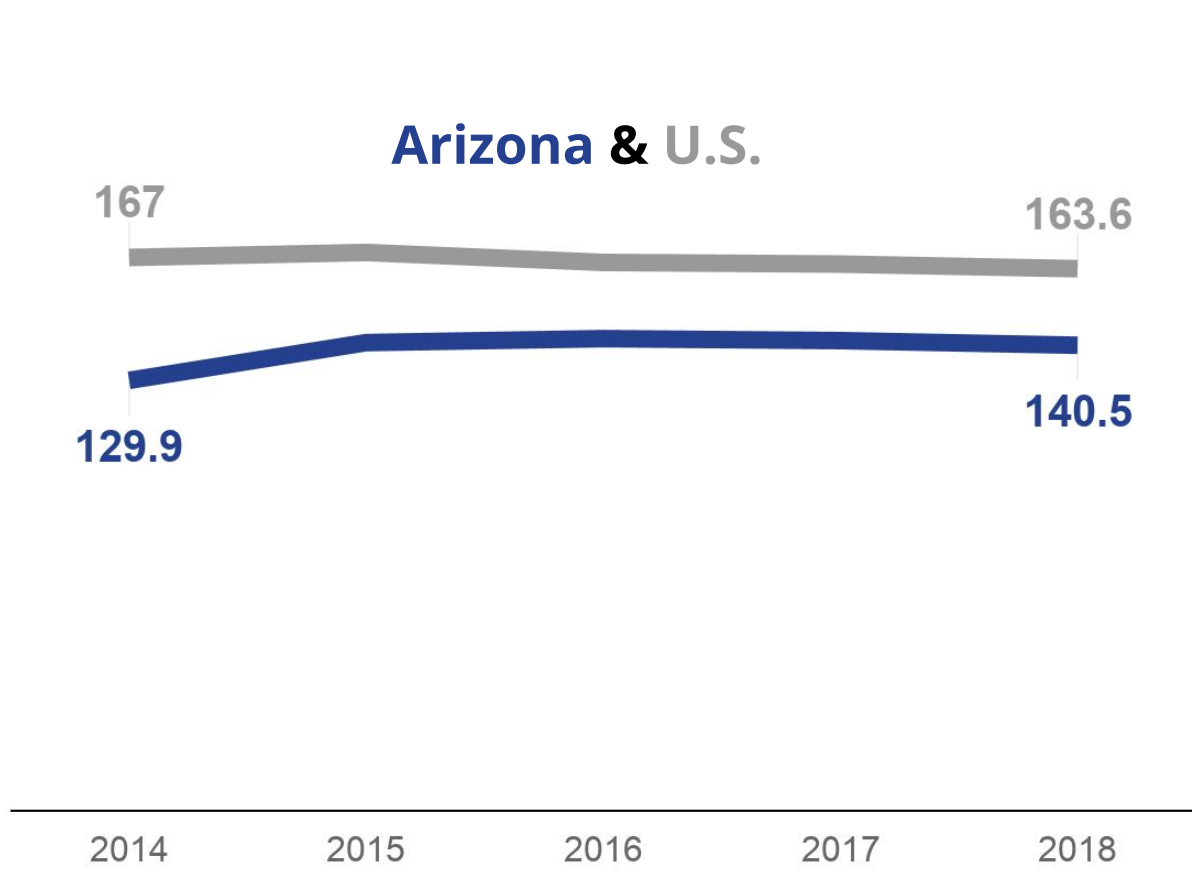
Male & Female



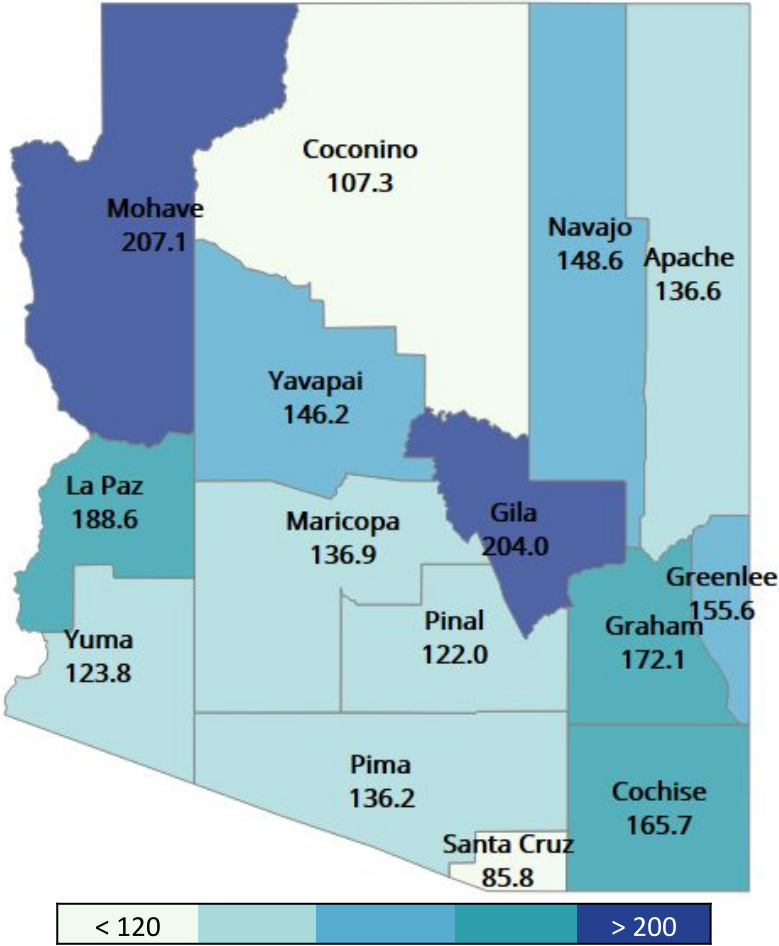
Arizona Cancer Mortality Rate, by Race & Ethnicity, 2014 - 2018



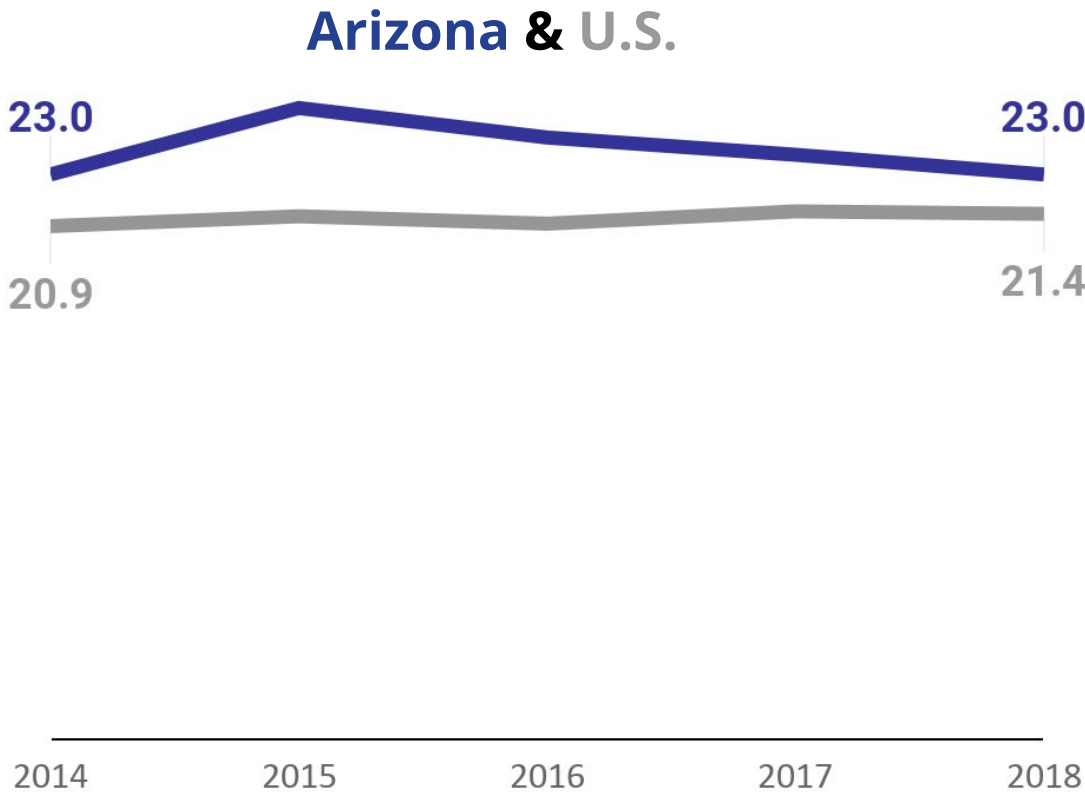
Heart Disease Mortality Rate, Arizona & U.S., 2014 - 2018



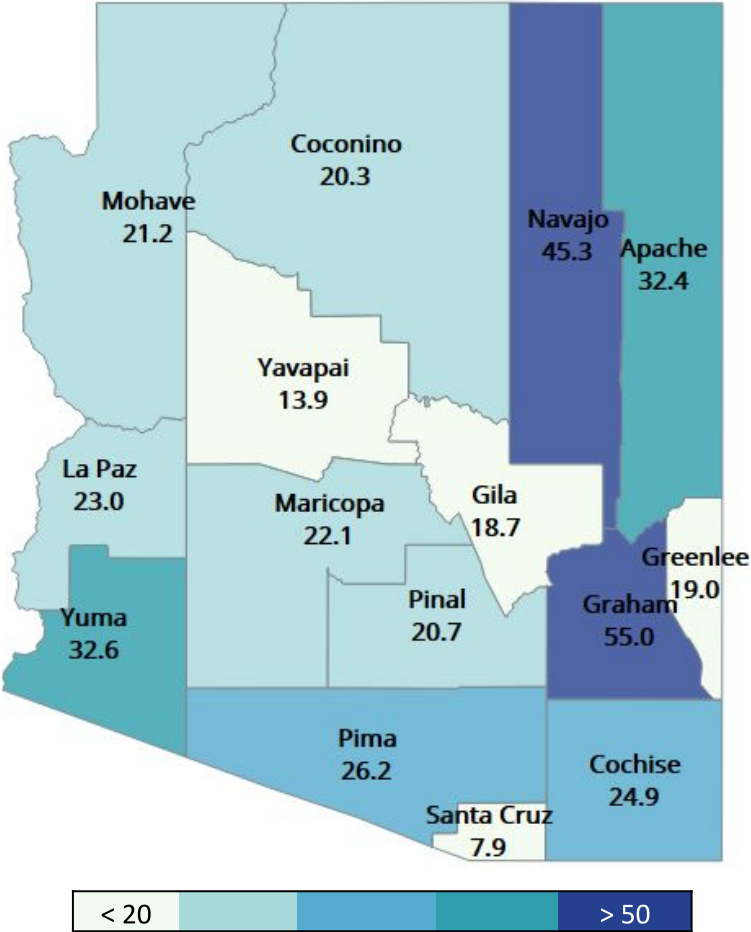
Arizona Heart Disease Mortality Rate, by County, 2018



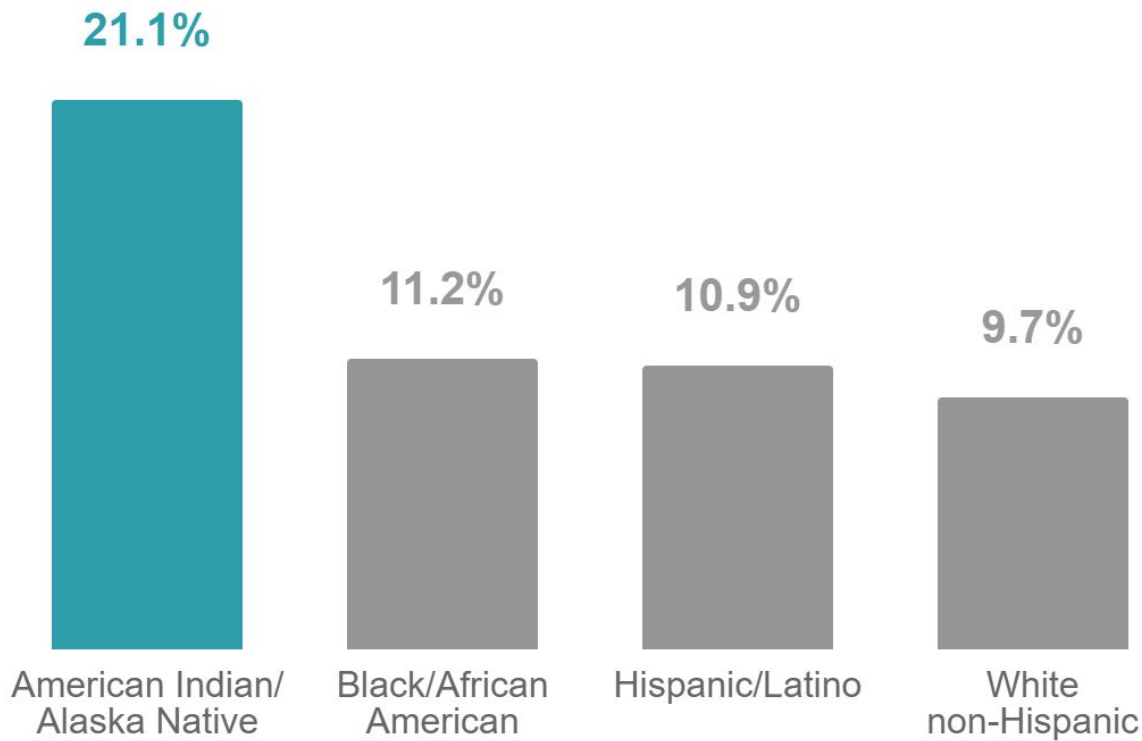
Diabetes Mortality Rate, Arizona & U.S., 2014 - 2018



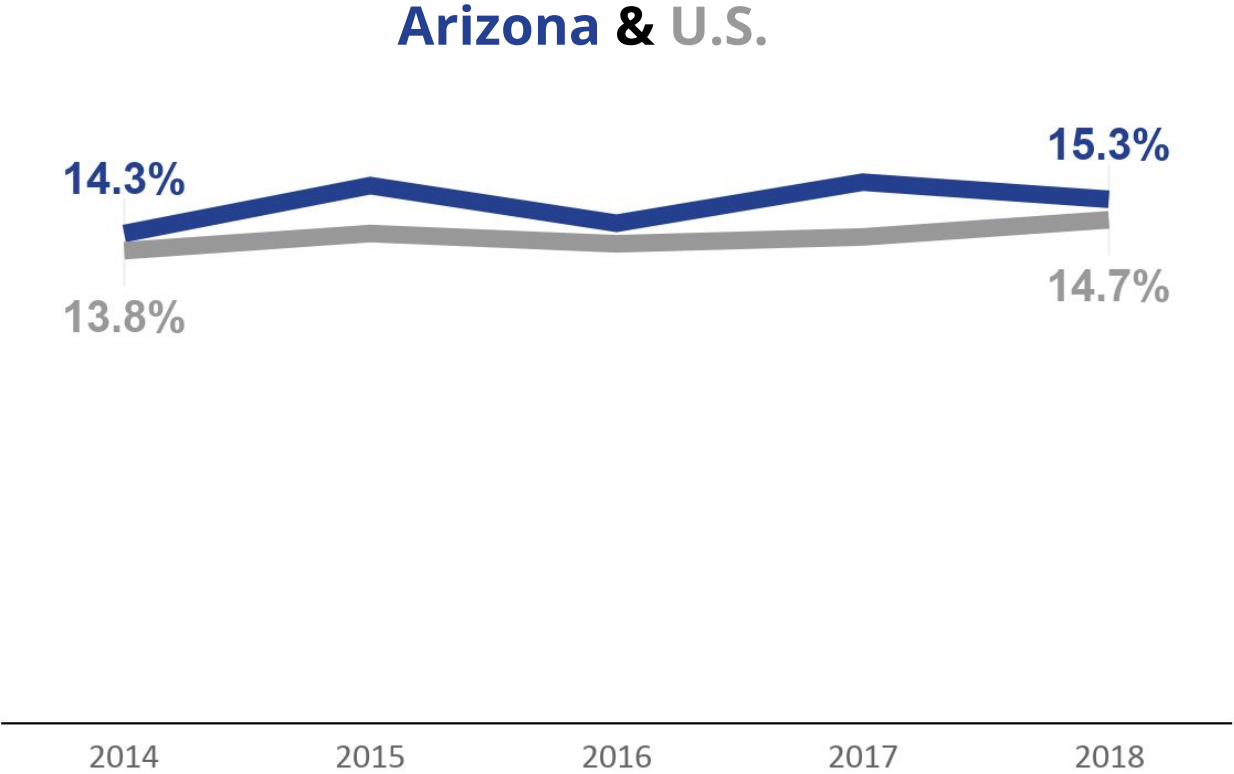
Arizona Diabetes Mortality Rate, by County, 2018



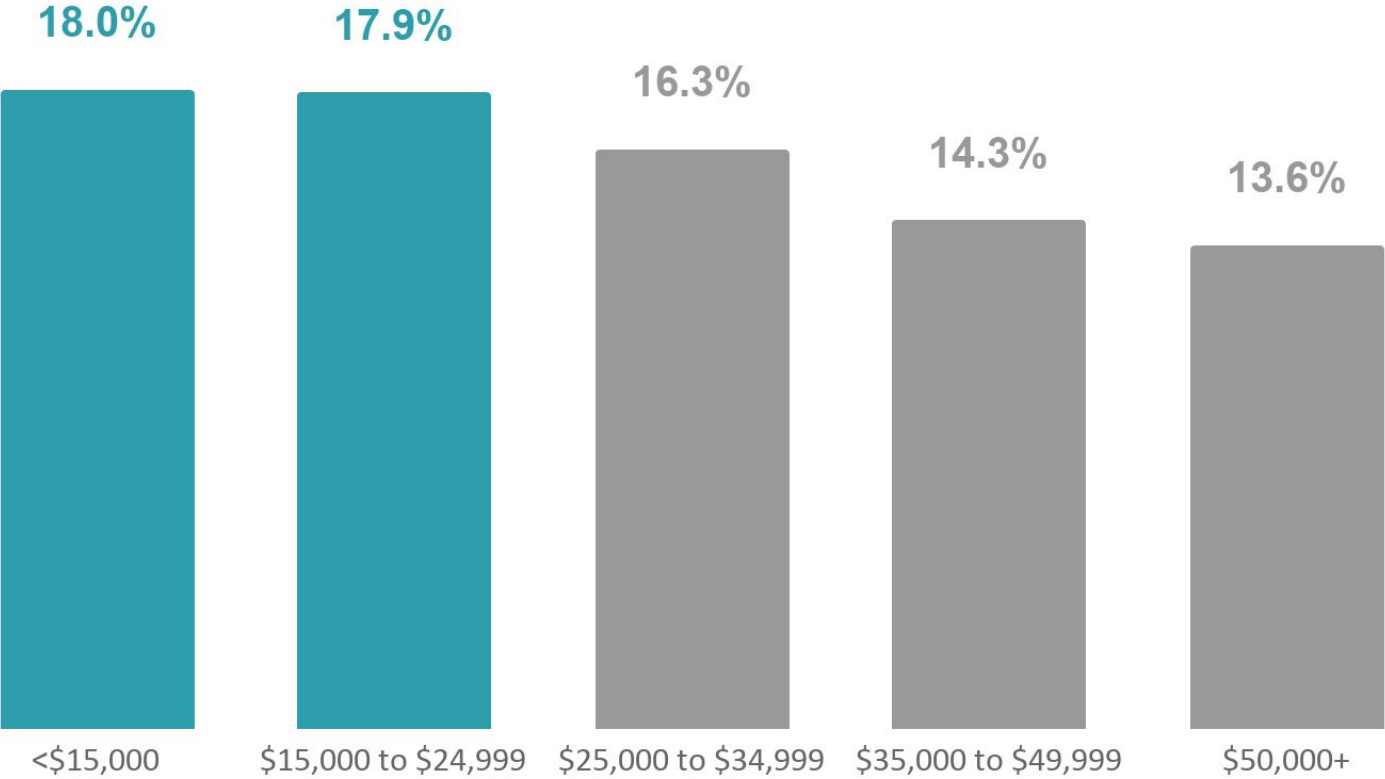
Percent of Arizona Adults Who Reported Ever Having Diabetes, by Race & Ethnicity, 2018



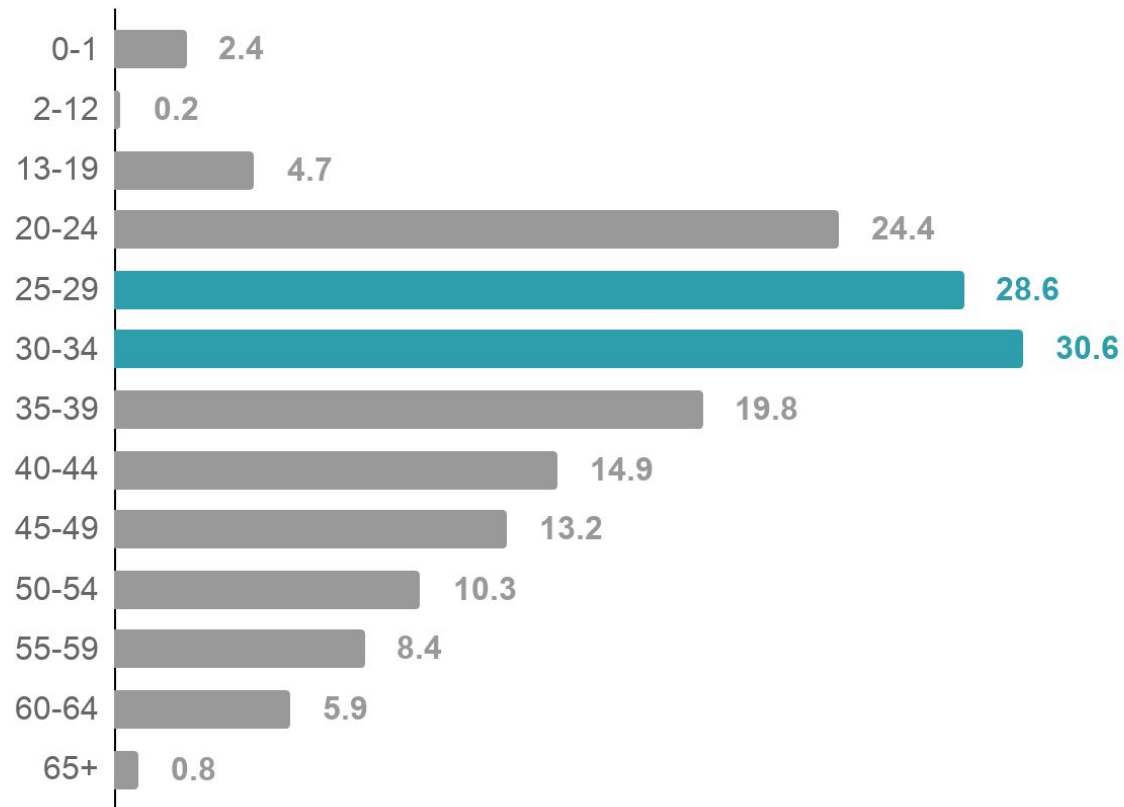
Percent of Arizona Adults Who Reported Ever Having Asthma, Arizona & U.S., 2014 - 2018



Percent of Arizona Adults Who Reported Ever Having Asthma, by Income, 2018



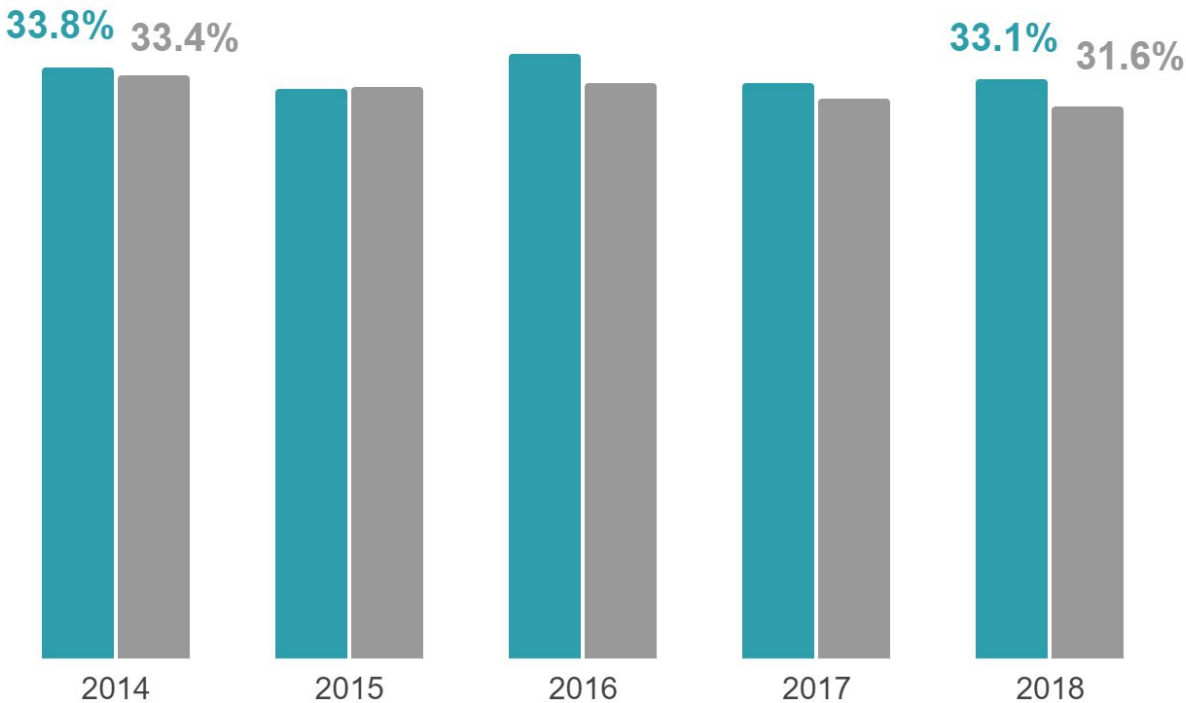
Arizona HIV Incidence Rates, by Age, 2018



HEALTHY ADULTS - Behavioral Risk Factors

Percent of Arizona Adults Who Reported a Healthy Weight, Arizona & U.S., 2014 - 2018

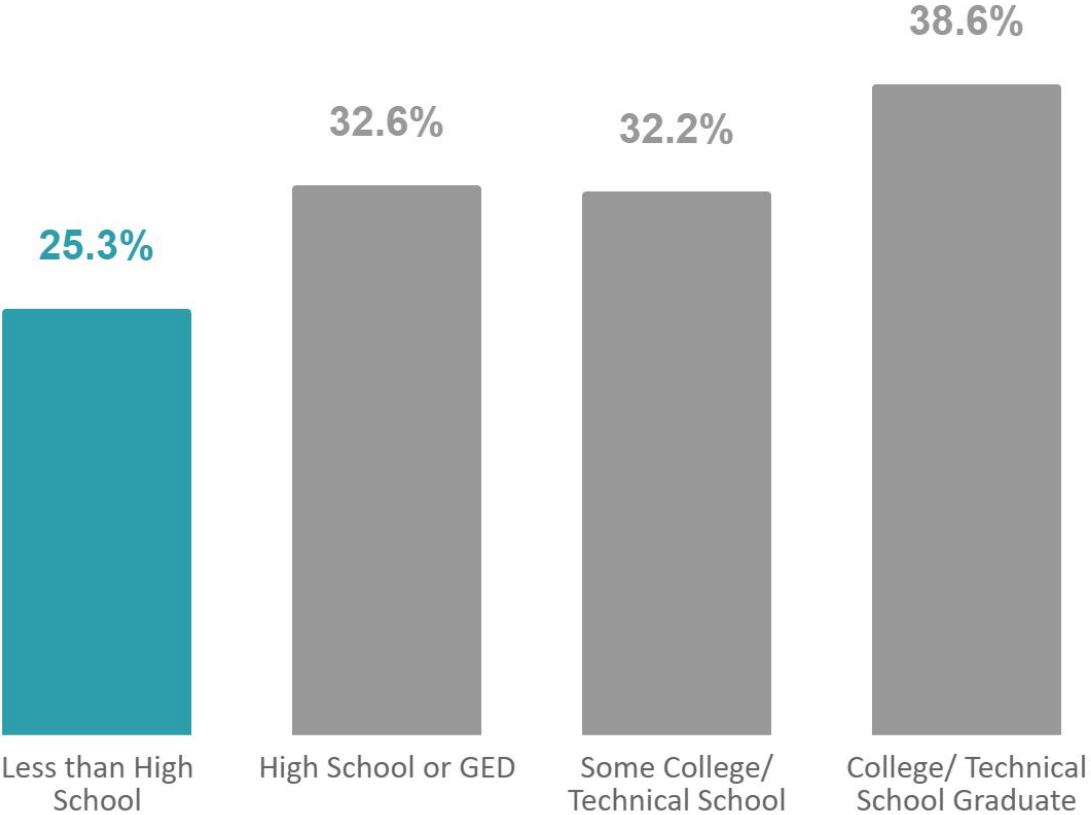
Arizona & U.S.



Percent of Arizona Adults Who Reported a Healthy Weight, by Income, 2018



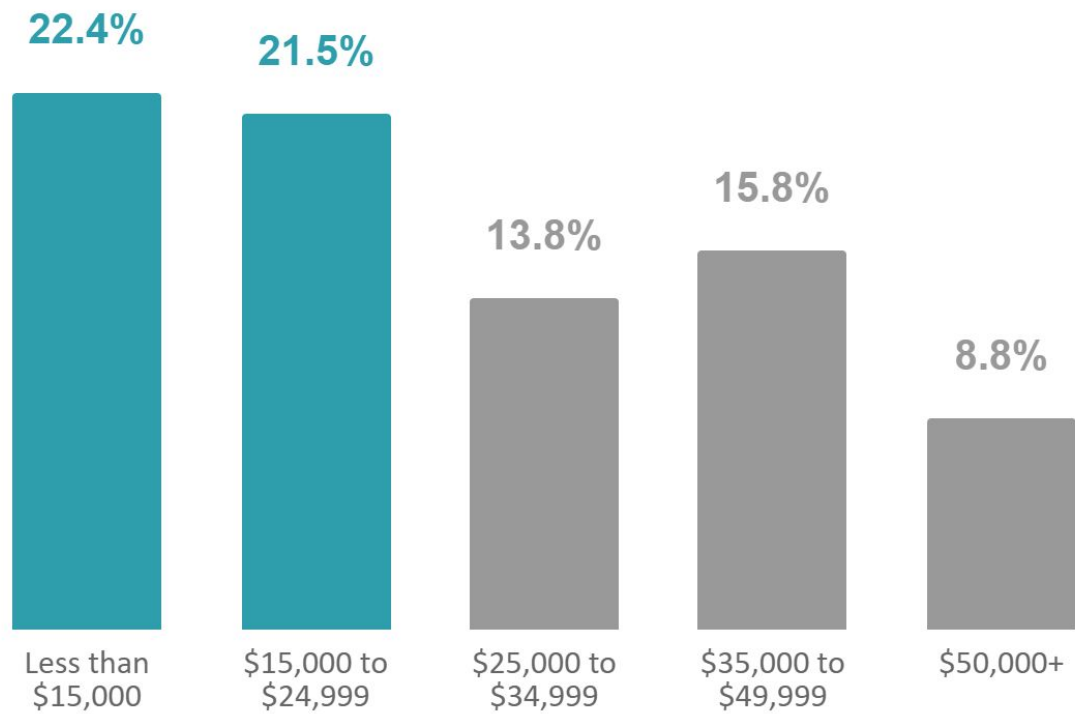
Percent of Arizona Adults Who Reported a Healthy Weight, by Educational Attainment, 2018



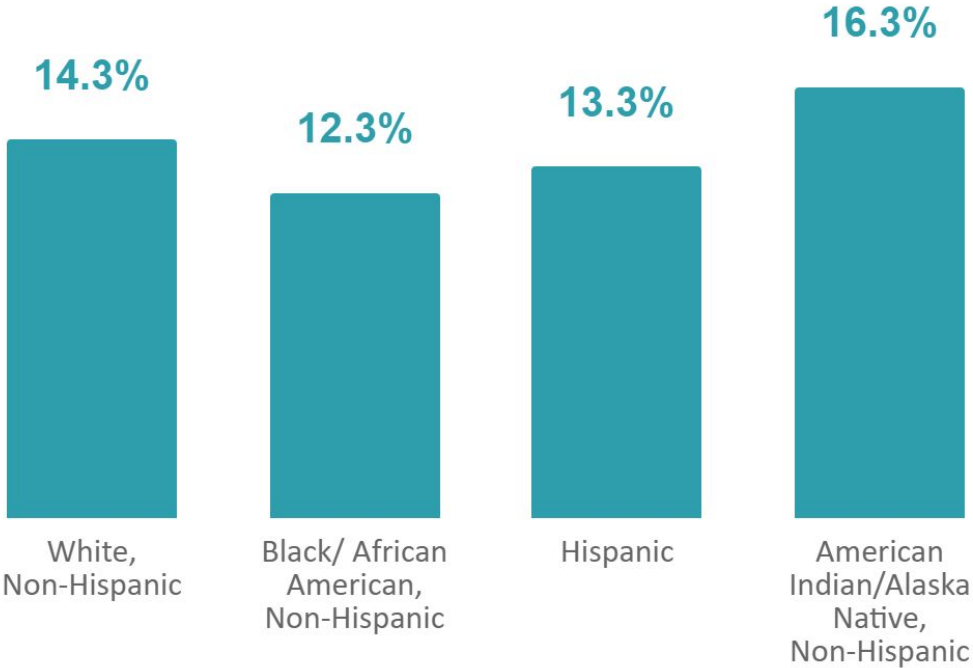
Percent of Adults Who Reported Current Smoking, Arizona & U.S., 2014 - 2018



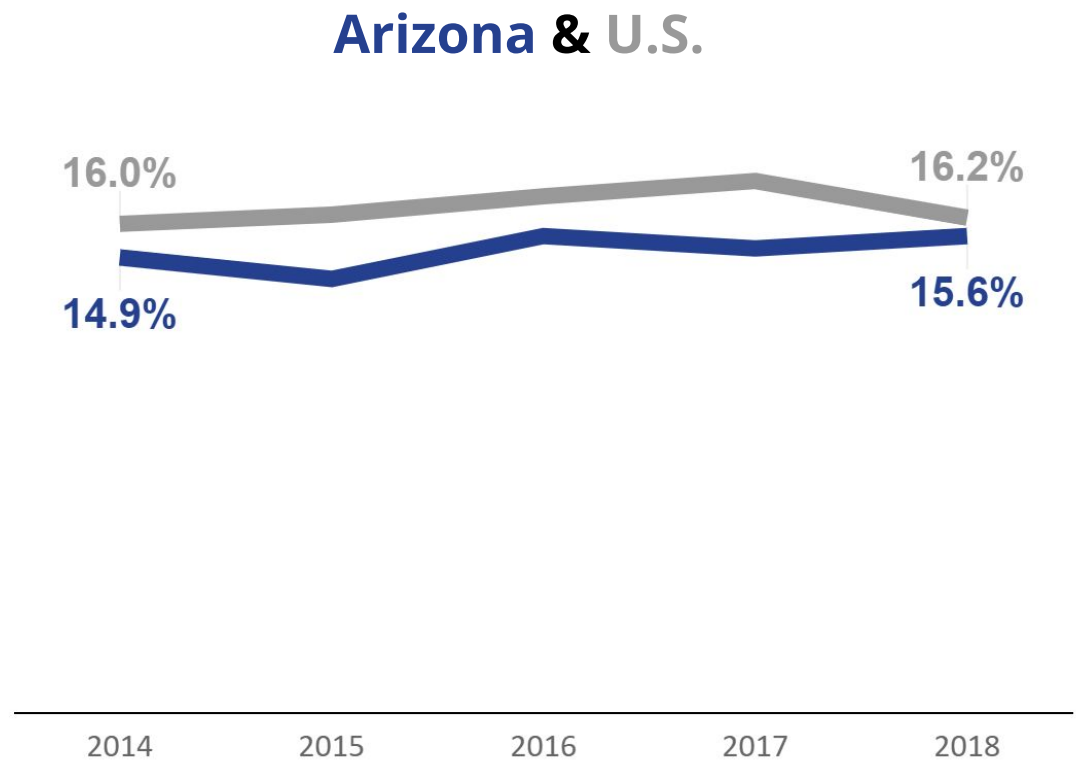
Percent of Arizona Adults Who Reported Current Smoking, by Income, 2018



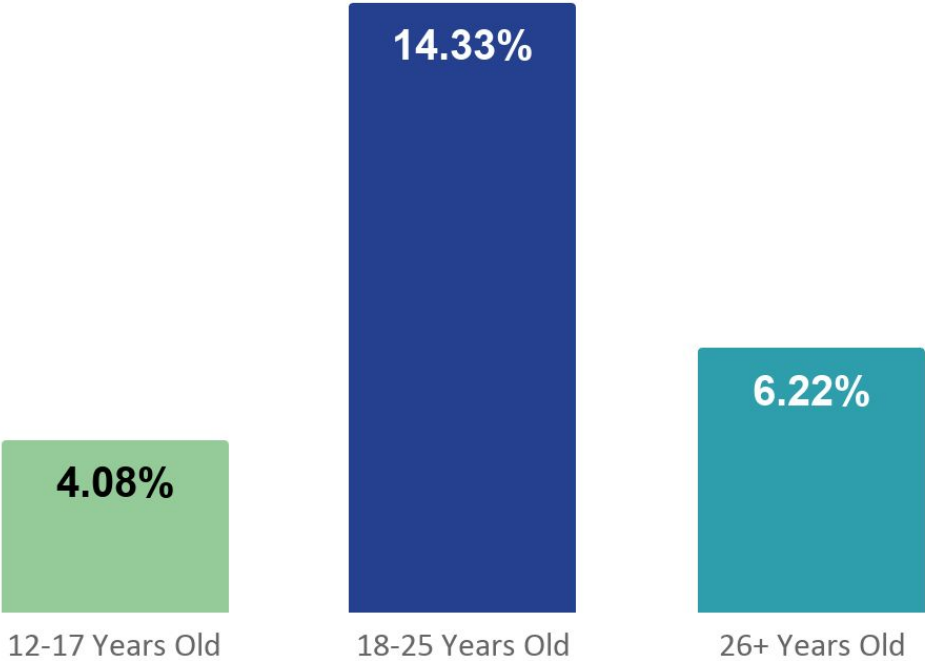
Percent of Arizona Adults Who Reported Current Smoking, by Race & Ethnicity, 2018



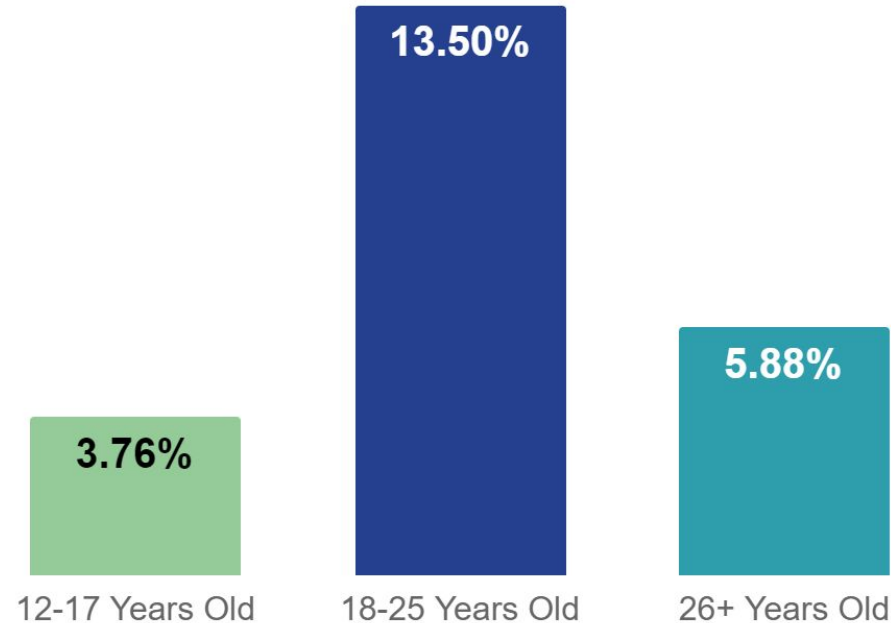
Percent of Arizona Adults Who Reported Binge Drinking, Arizona & U.S., 2014 - 2018



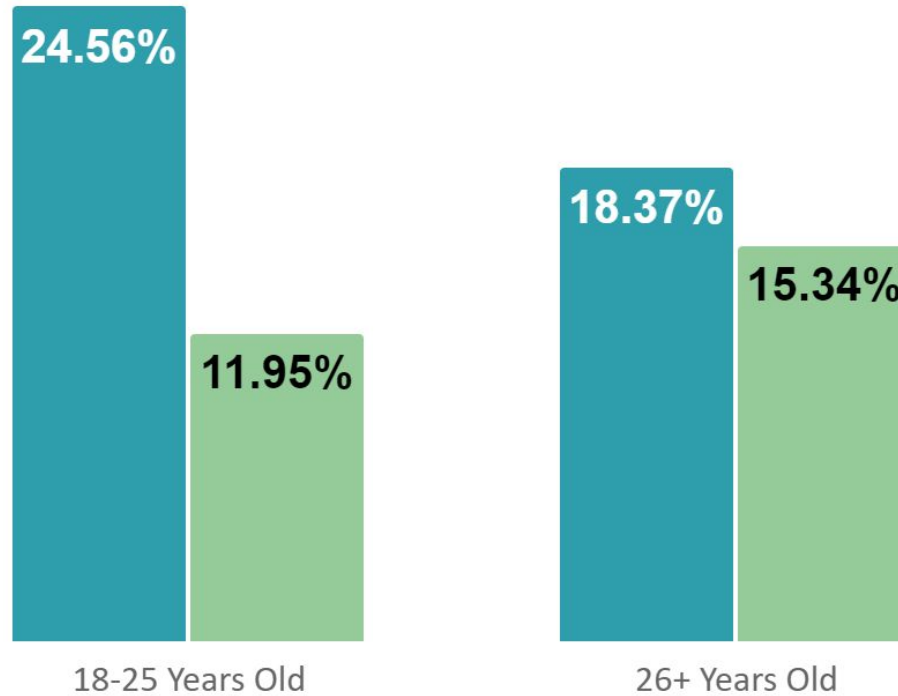
Percent of Respondents in Arizona with Past Year Substance Use Disorder, by Age, 2017 - 2018



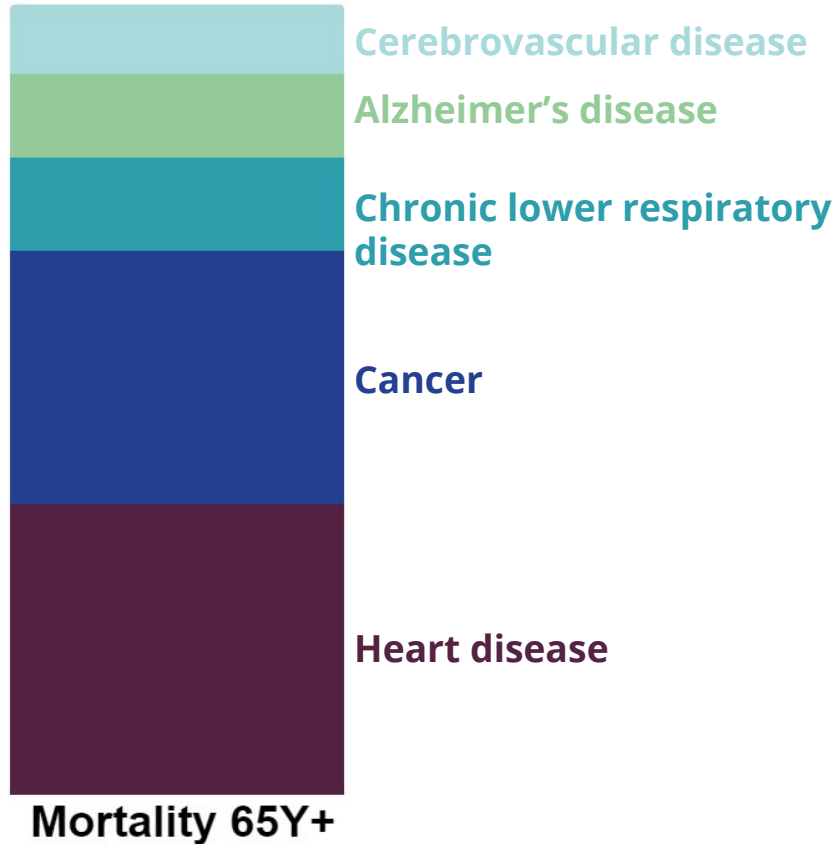
Percent of Respondents in Arizona Classified as Needing Treatment for a Substance Use Problem But Not Receiving Treatment, by Age, 2017 - 2018



Percent of Arizonans Reporting Any Mental Illness and Percent Receiving Services, by Age, 2017 - 2018



HEALTHY AGING

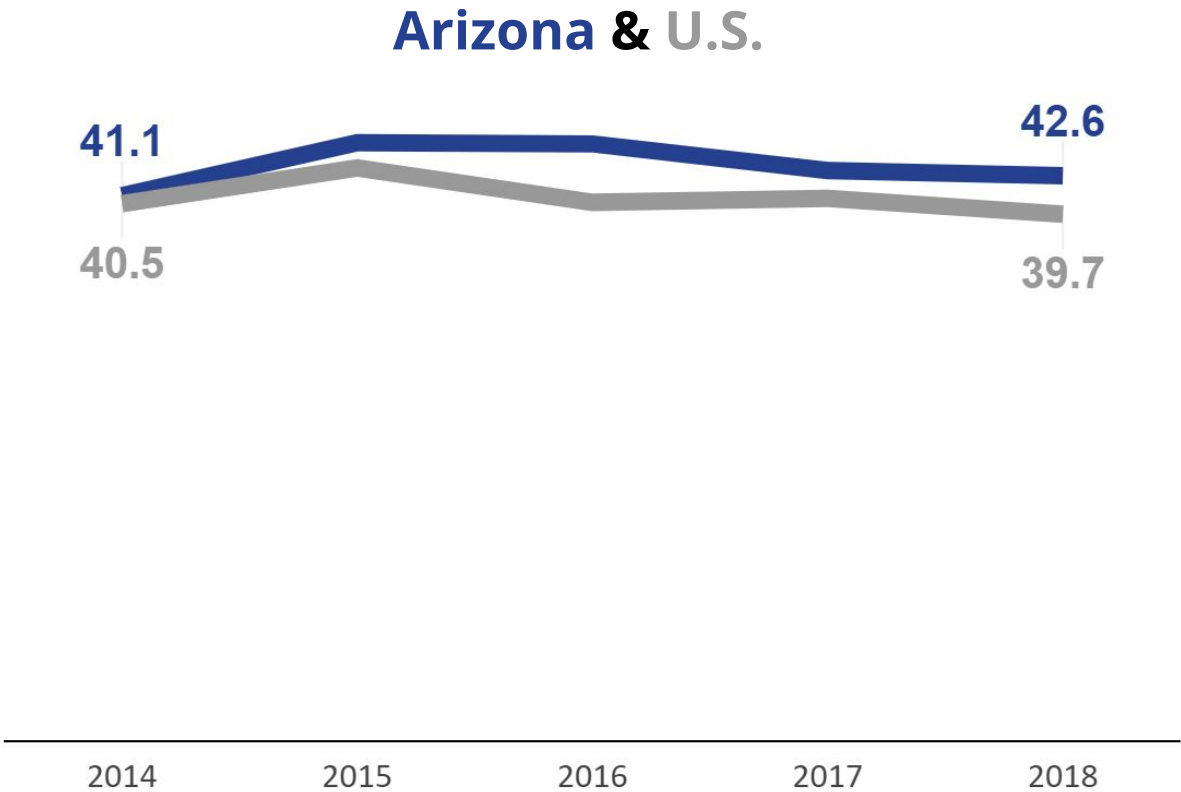


In 2018, **heart disease** was the leading cause of death among Arizonans ages 65 and older.

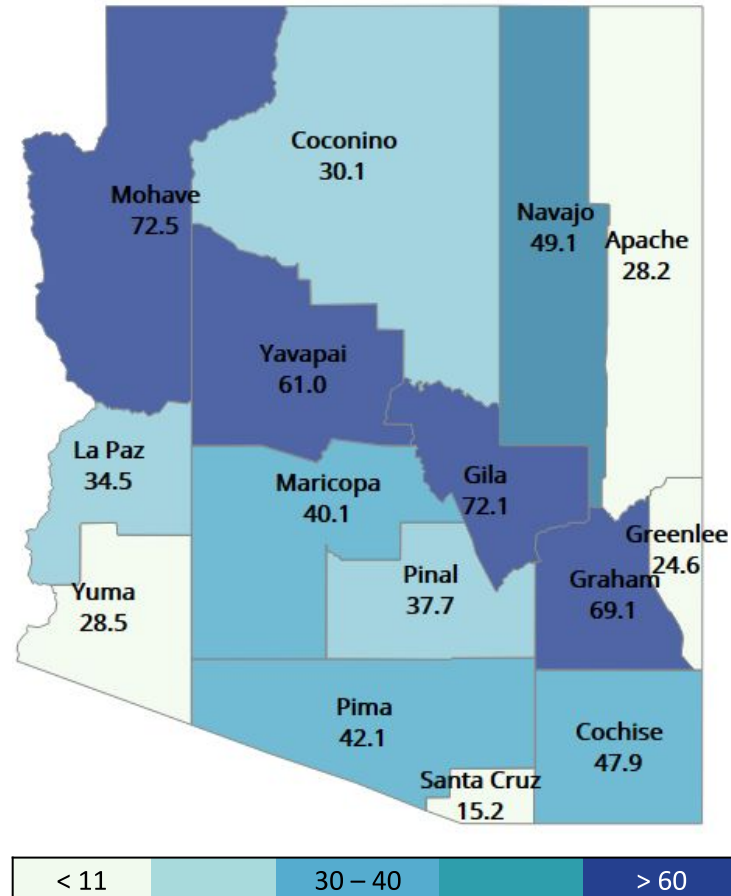
34.3

Alzheimer's mortality rate in Arizona remains **above** the national rate at **34.3** per 100,000 population

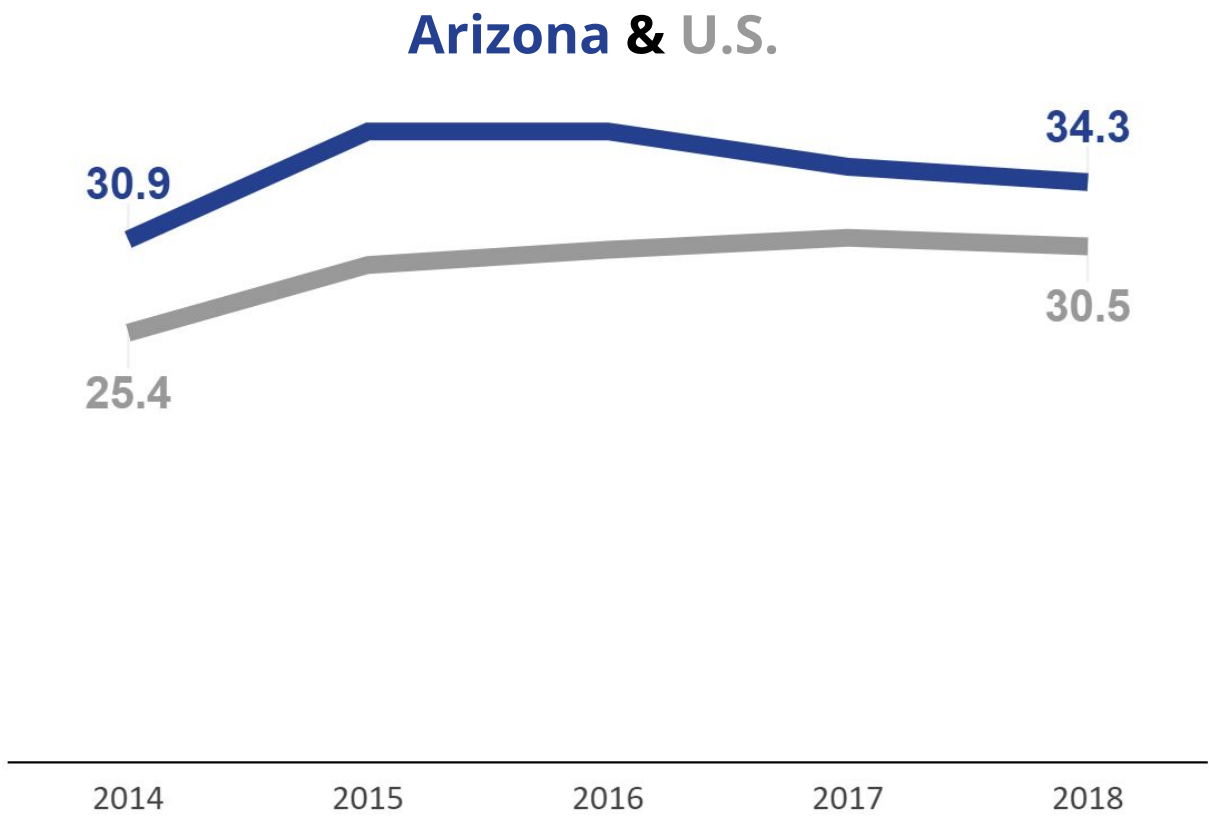
Chronic Lower Respiratory Disease Mortality Rate, Arizona & U.S., 2014 - 2018



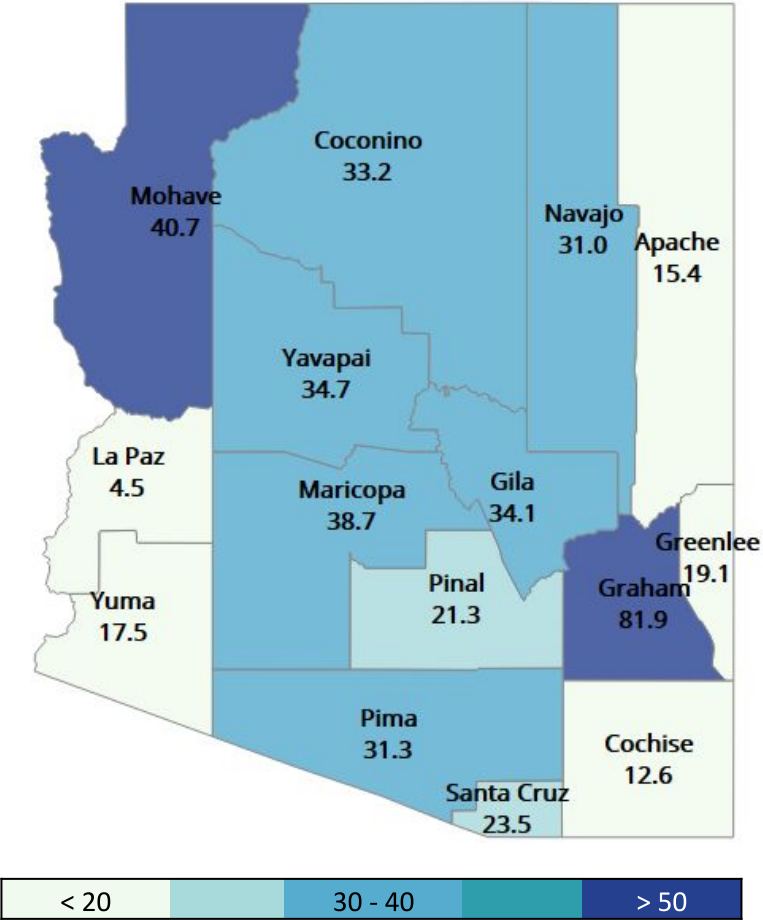
Chronic Lower Respiratory Disease Mortality Rate, by County, 2018



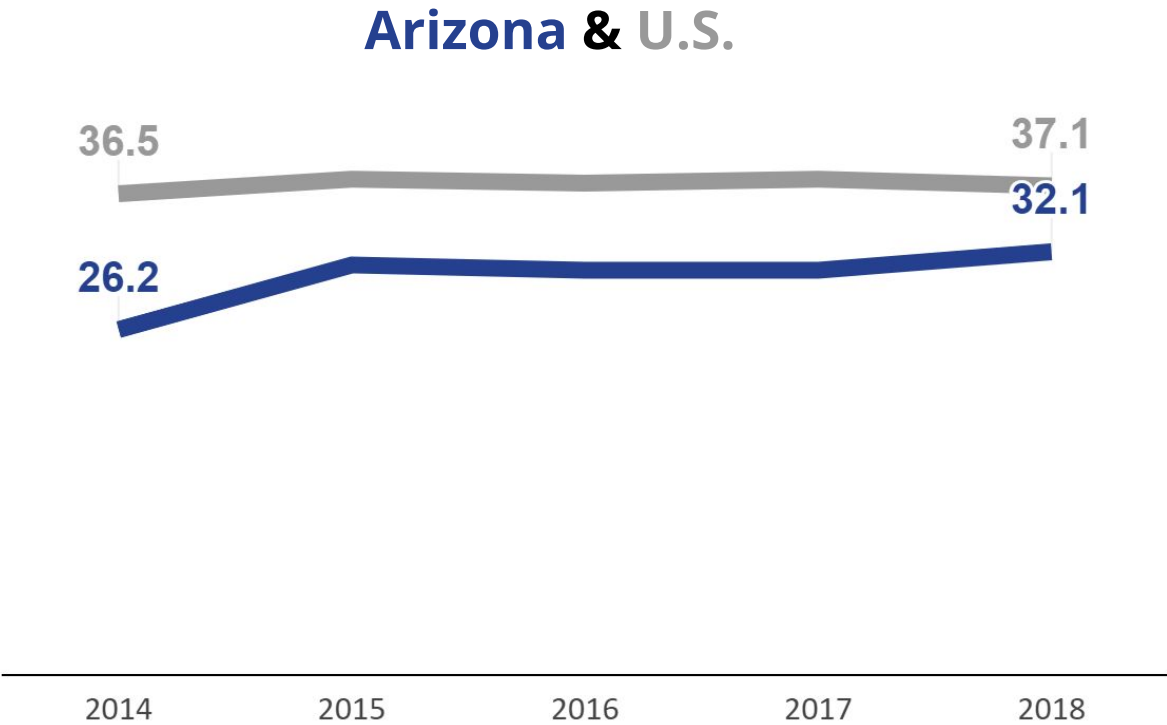
Alzheimer's Disease Mortality Rate, Arizona & U.S., 2014 - 2018



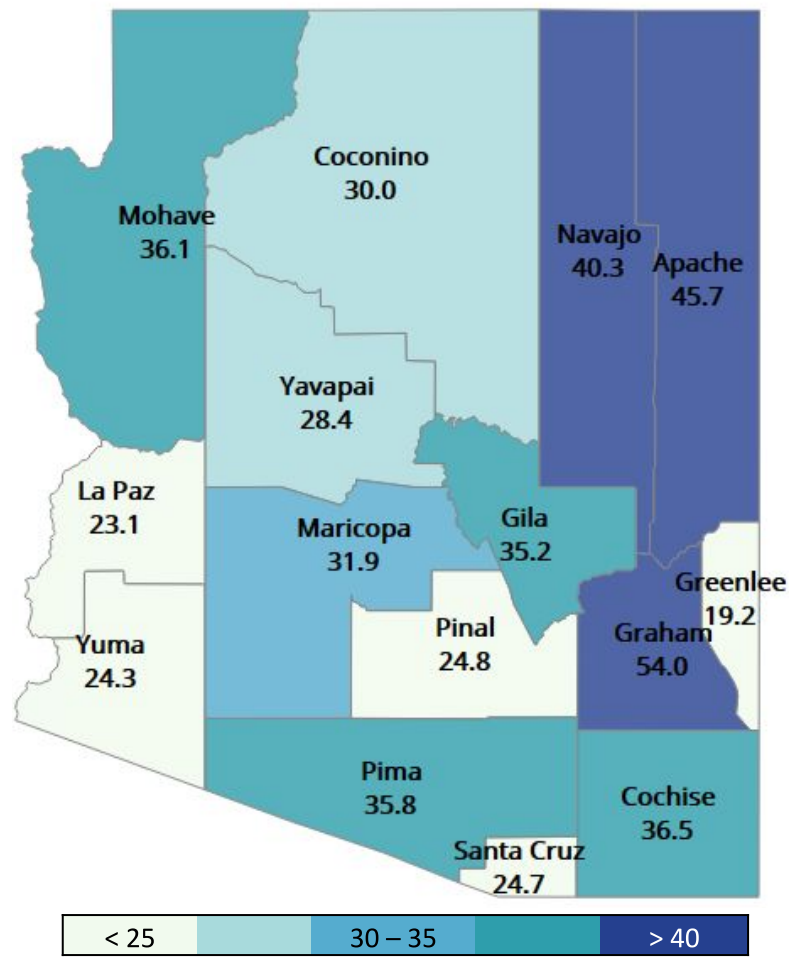
Alzheimer's Disease Mortality Rate, by County, 2018



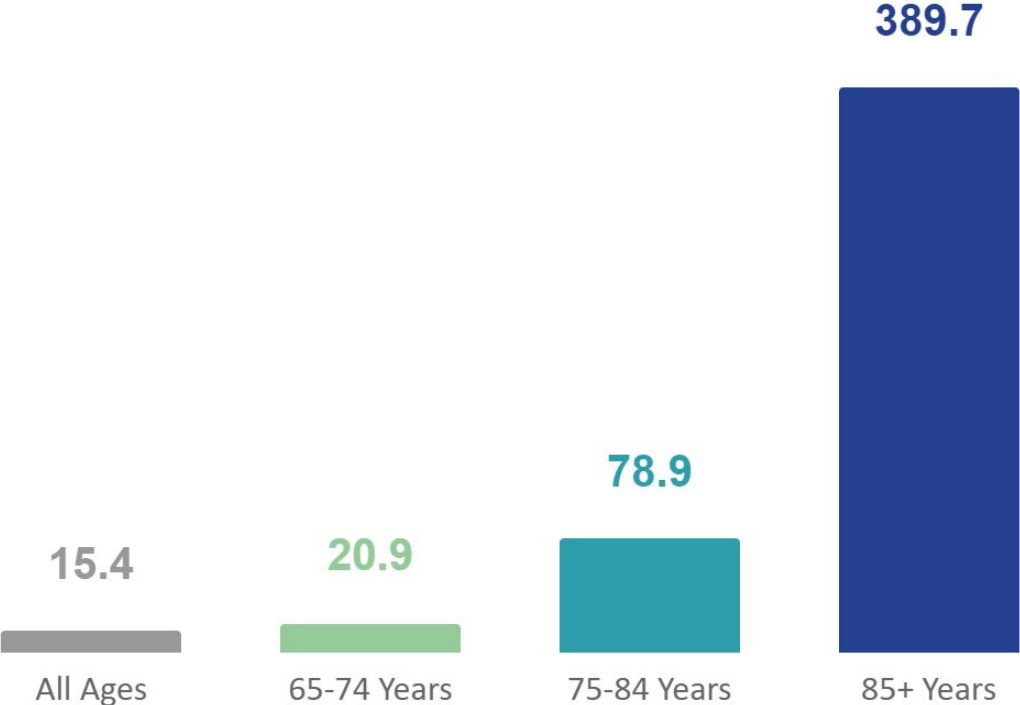
Cerebrovascular Disease Mortality Rate, Arizona & U.S., 2014 - 2018



Cerebrovascular Disease Mortality Rate, by County, 2018



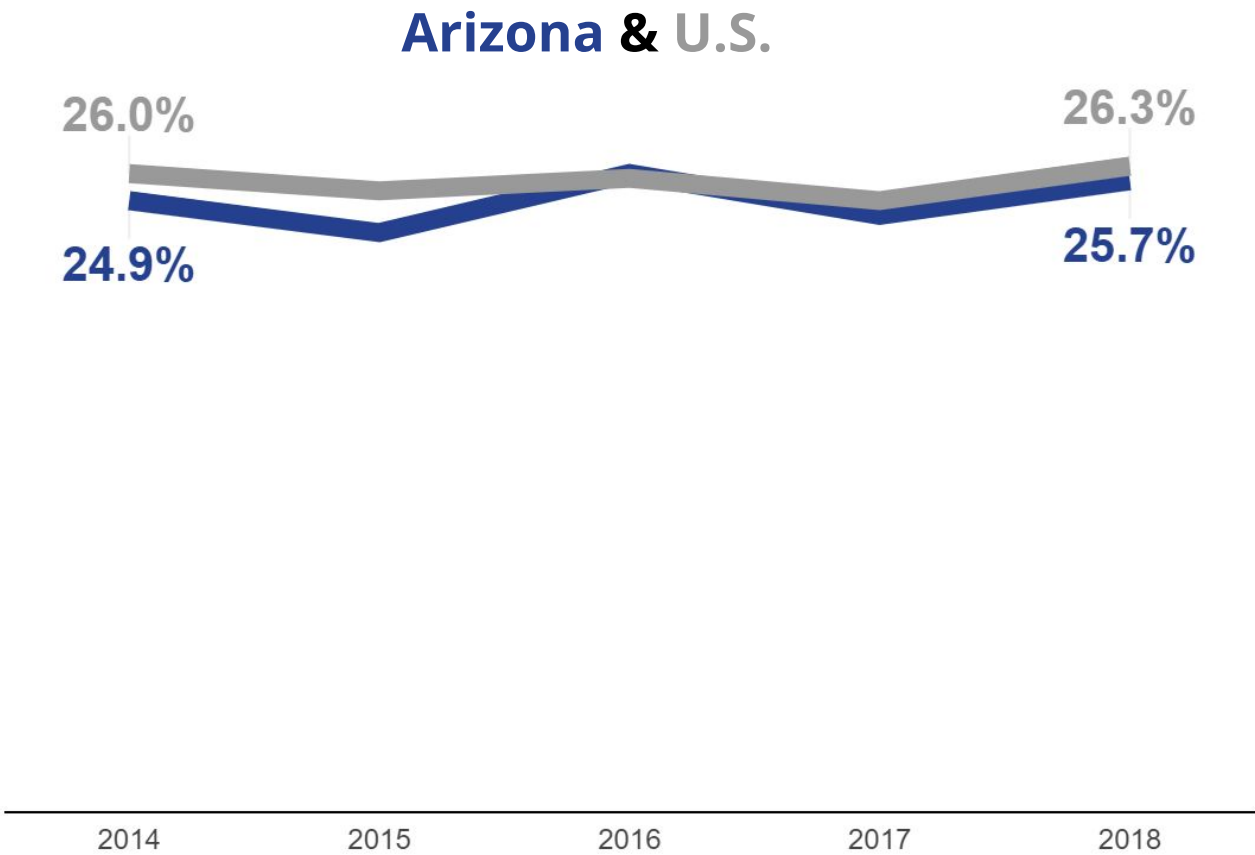
Arizona Fall-Related Injury Mortality Rate, by Age, 2018



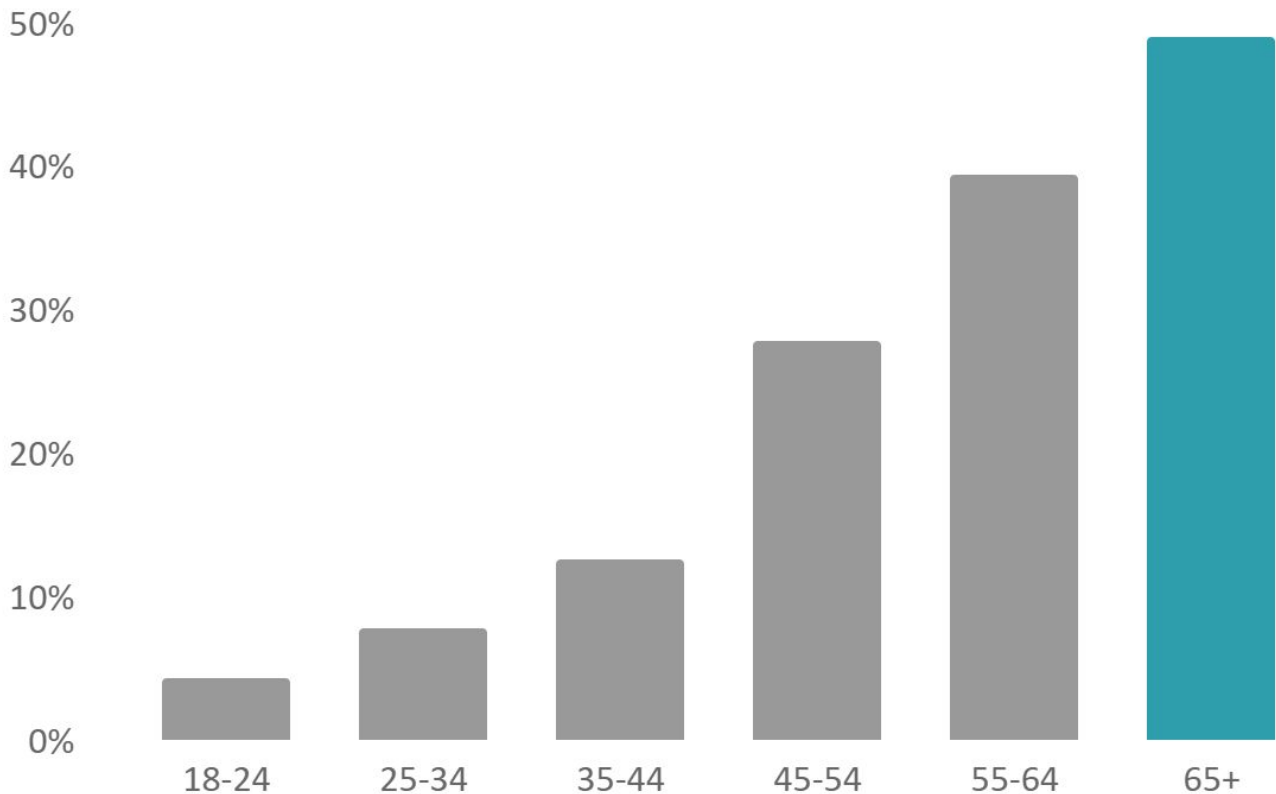
Arizona Fall-Related Injury Mortality Rate, by Race & Ethnicity, 2018



Percent of Adults Who Reported Being Told They Have Arthritis, Arizona & U.S., 2014 - 2018



Percent of Adults Who Reported Being Told They Have Arthritis, by Age Group, 2018



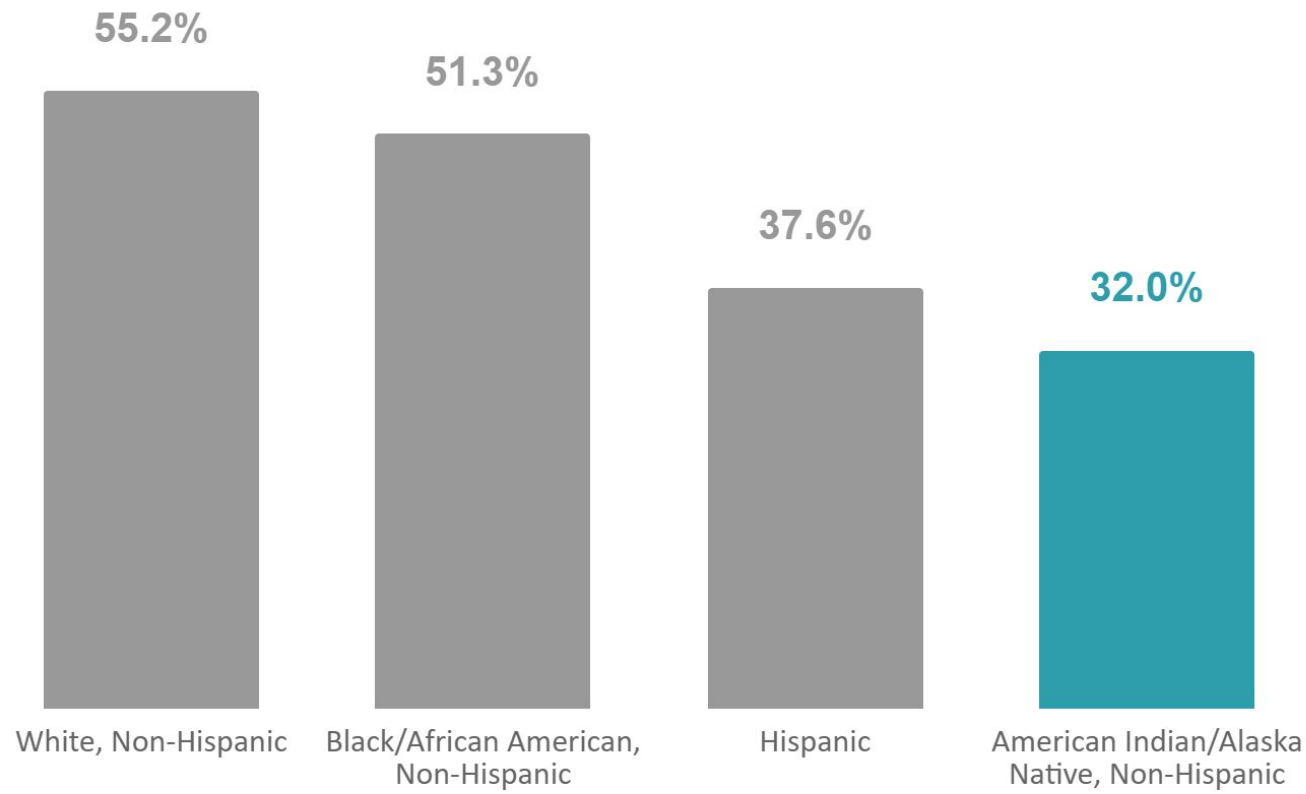
ARIZONA POPULATIONS

TRIBAL HEALTH

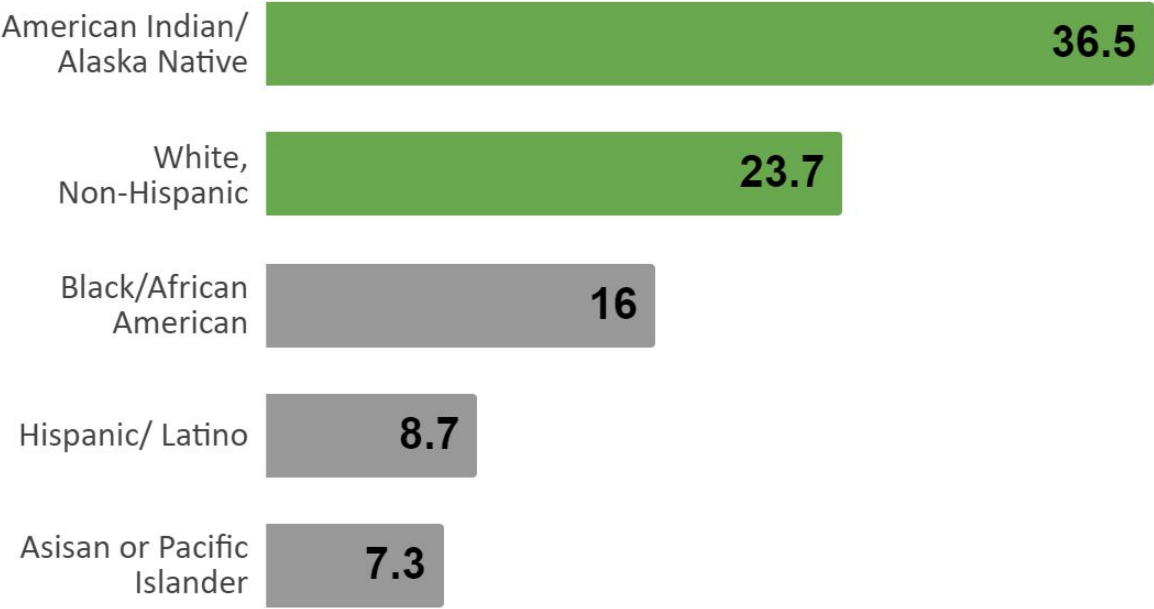
VETERANS

BORDER HEALTH

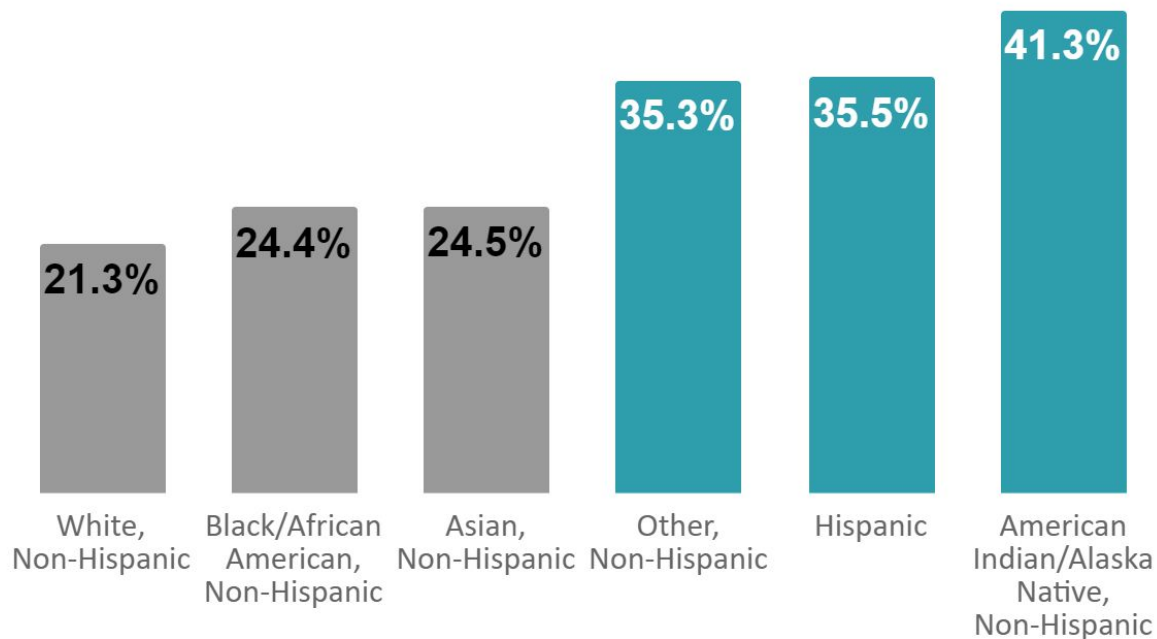
Good or Excellent Health, by Race & Ethnicity, 2018



Arizona Suicide Mortality Rates, by Race & Ethnicity, 2018

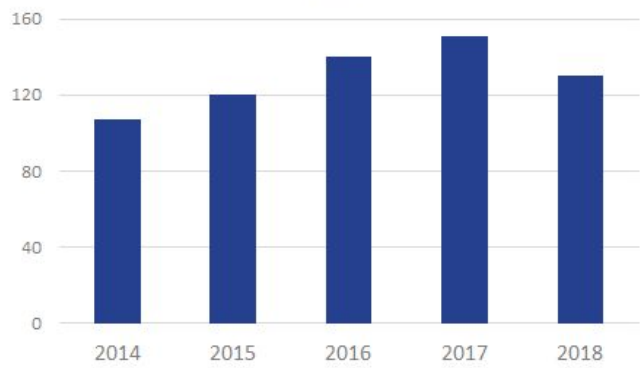


Percent of Arizona Adults Who Reported Not Having a Personal Doctor or Health Care Provider, by Race/Ethnicity, 2018

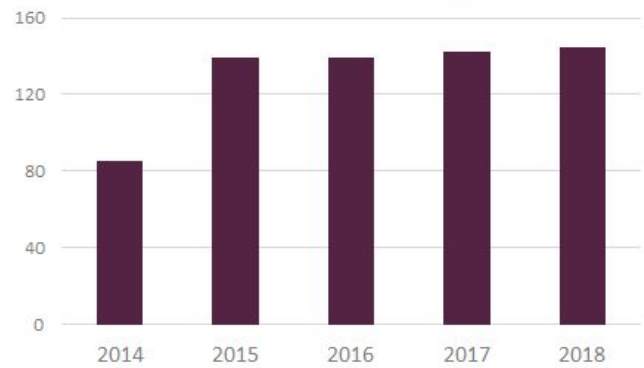


Leading Cause of Death Mortality Rates Among American Indians/Alaska Natives, 2014 - 2018

Heart Disease



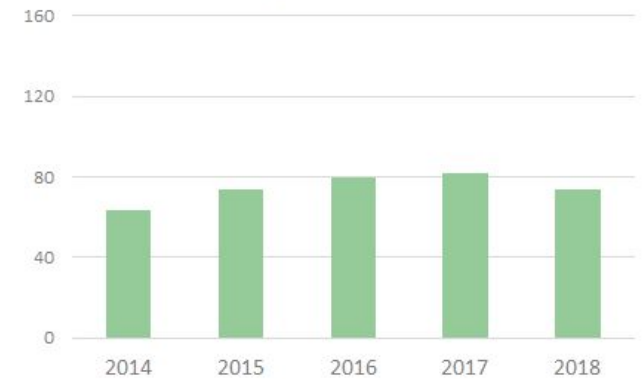
Unintentional injury



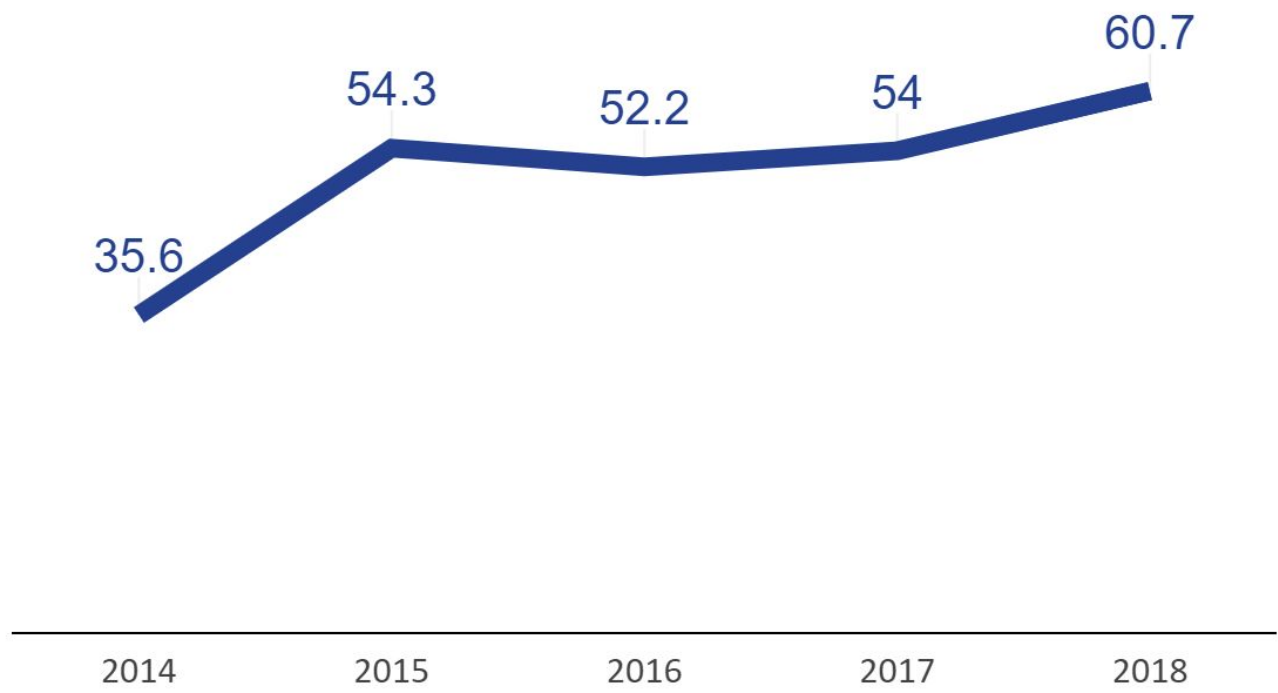
Cancer



Diabetes

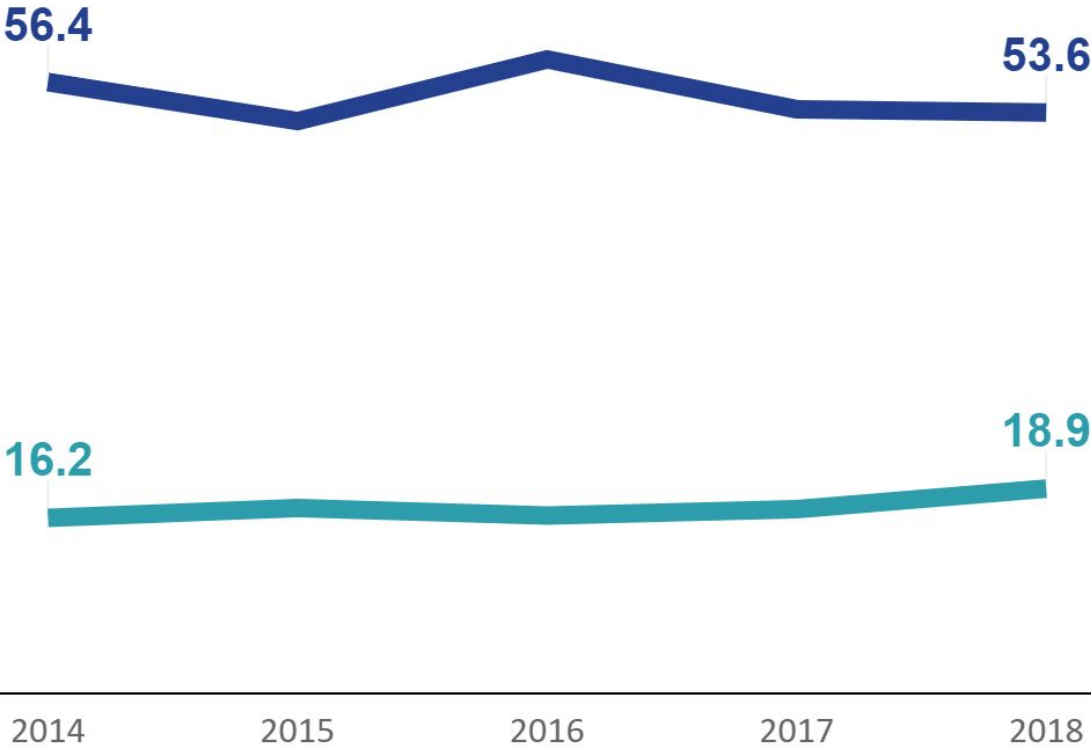


Motor Vehicle Injury Mortality Rate Among American Indians/Alaska Natives, 2014 - 2018



Arizona Suicide Rate, Veteran & Non-Veteran, 2014 - 2018

AZ Veterans & AZ Non-Veterans



Leading Causes of Death, by Region, Arizona, 2018

Rank	Border Region	Non-Border Region
1	Heart Disease	Heart Disease
2	Cancer	Cancer
3	Unintentional Injury	Unintentional Injury
4	Chronic Lower Respiratory Disease	Chronic Lower Respiratory Disease
5	Cerebrovascular Disease	Alzheimer's Disease
6	Alzheimer's Disease	Cerebrovascular Disease
7	Diabetes	Diabetes
8	Suicide	Suicide
9	Liver Disease	Liver Disease
10	Influenza & Pneumonia	Influenza & Pneumonia

All age group rank

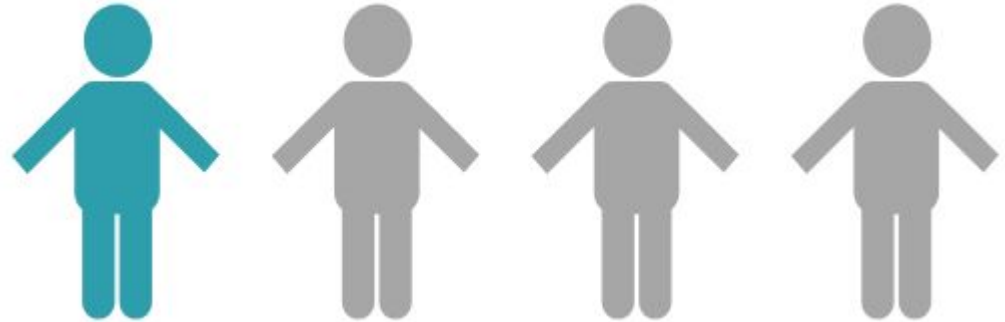


HEALTHY COMMUNITIES



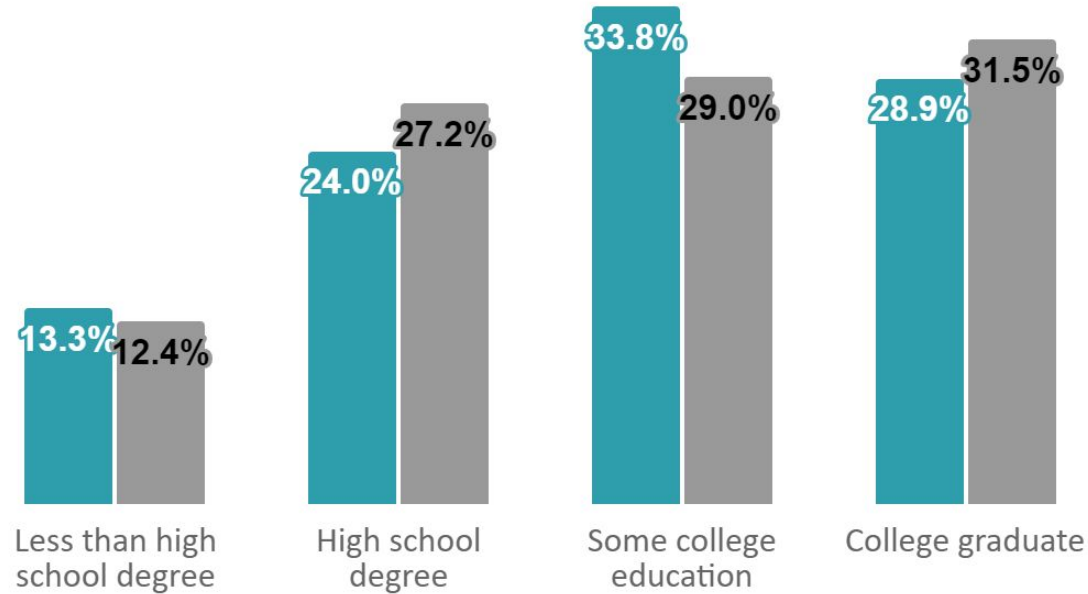
The number of **unsheltered** homeless Arizonans increased **12%** from 2018 to 2019

Almost **1** in **4** of Arizona's children are living below the federal poverty level

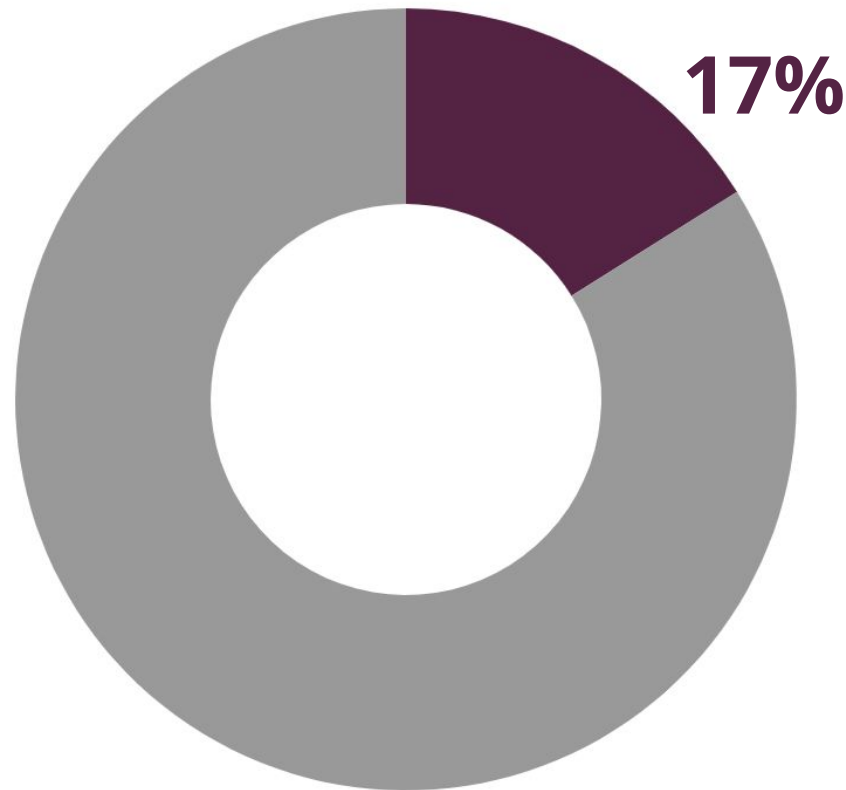


Percent of Adults, by Educational Attainment, Arizona & U.S., 2014 - 2018

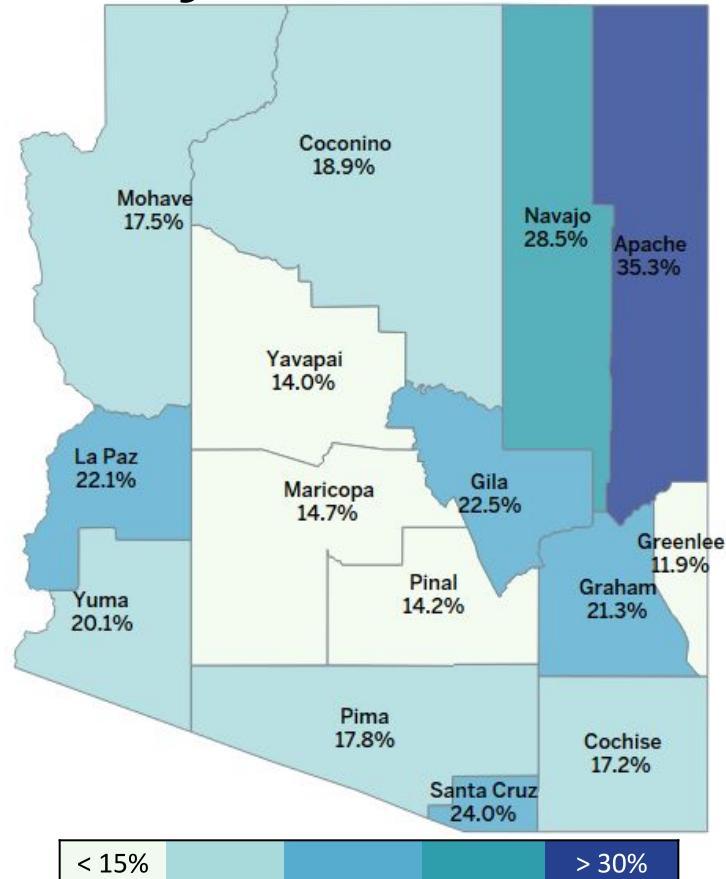
Arizona & U.S.



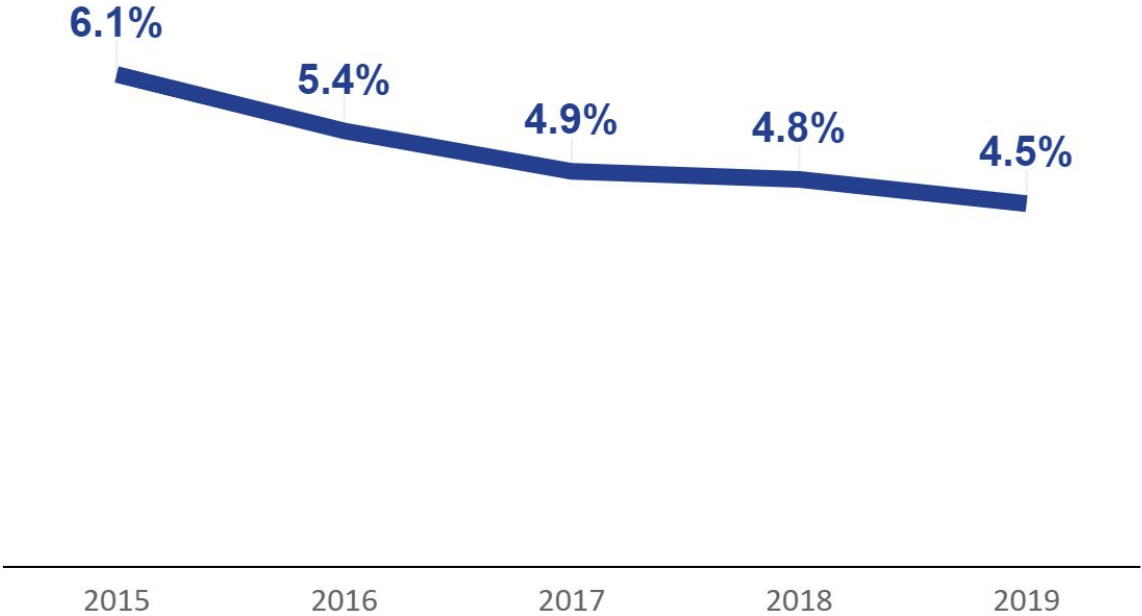
Percent of Arizonans Living Below the Federal Poverty Level, 2014 - 2018



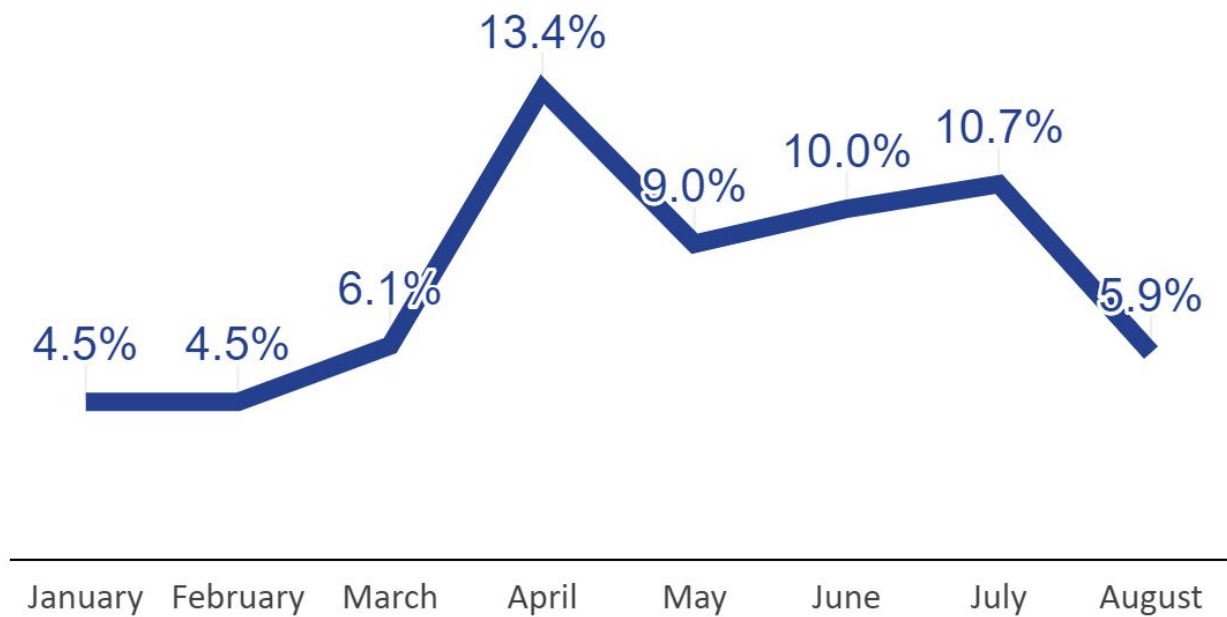
Percent of Arizona Adults Living Below the Federal Poverty Level, by County, 2014 - 2018



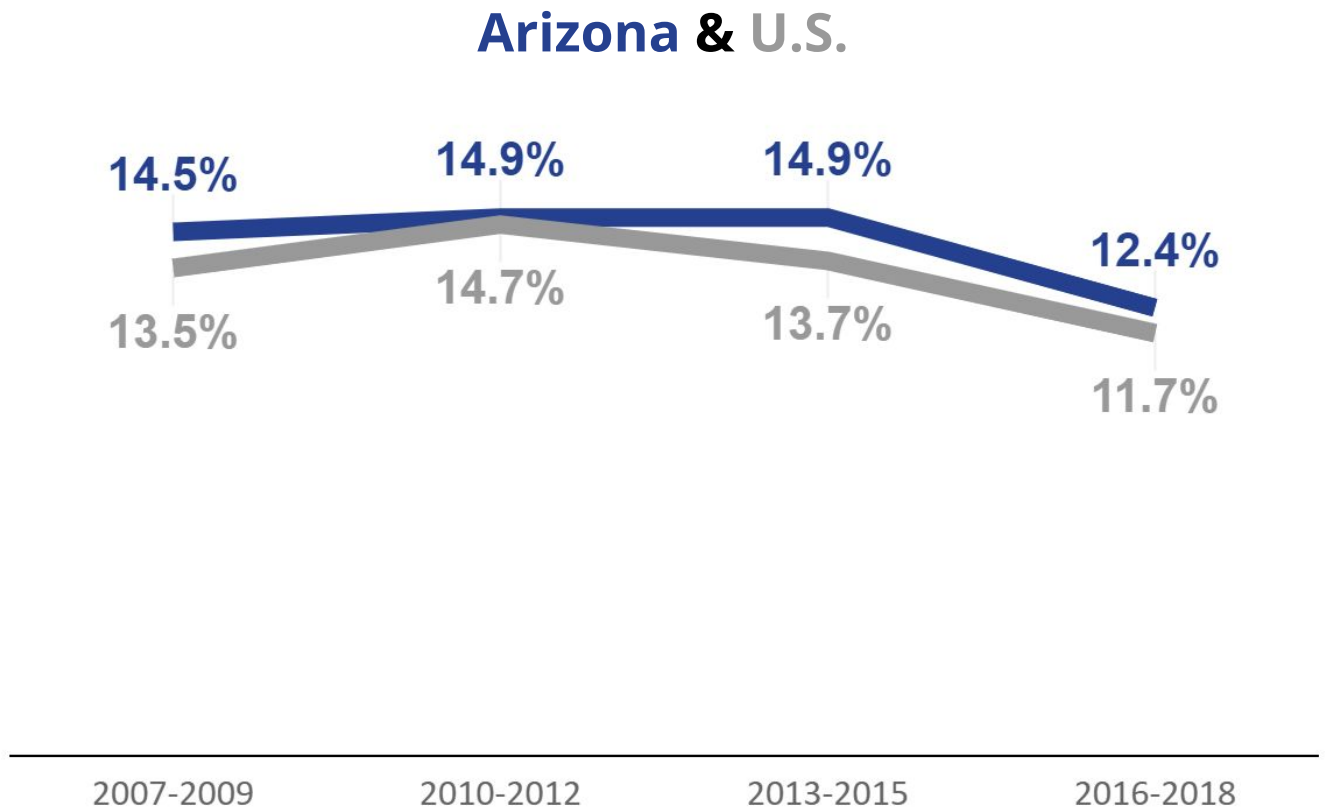
Arizona Unemployment Rate, 2015 - 2019



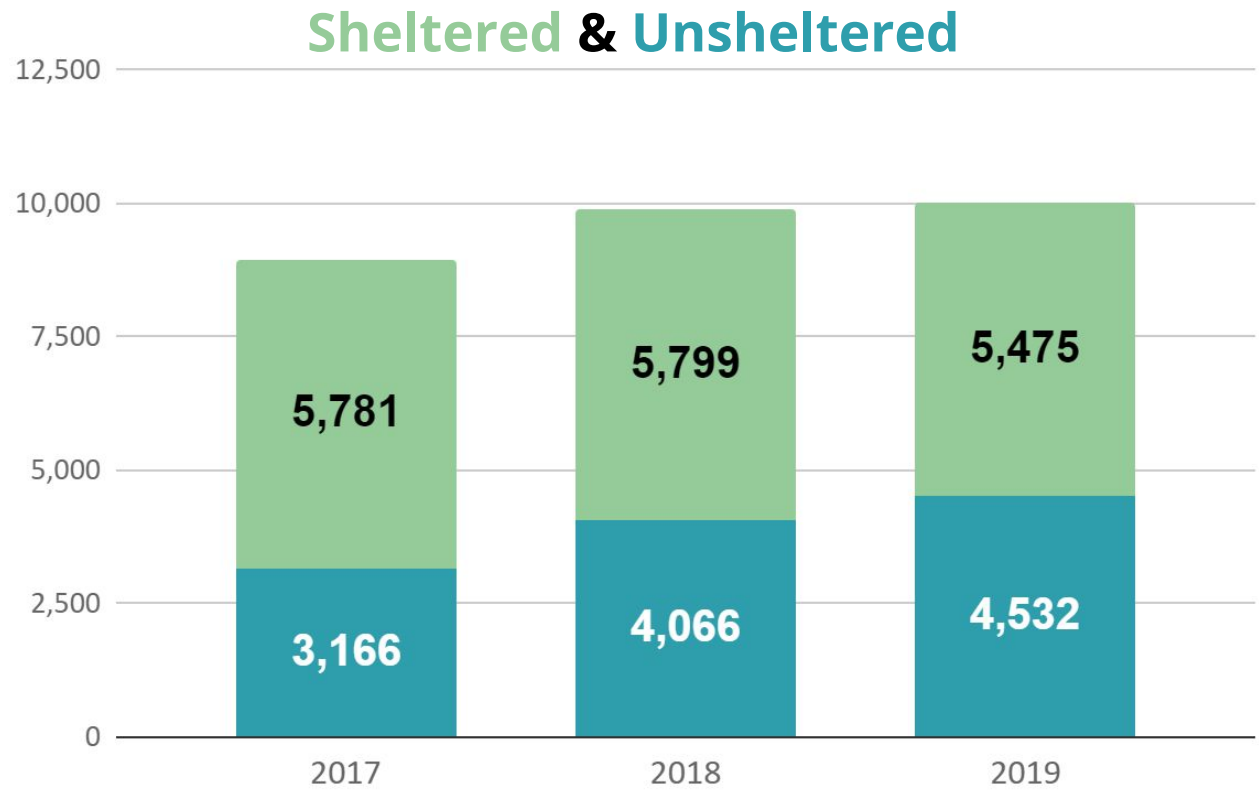
Arizona Unemployment, by Month, 2020



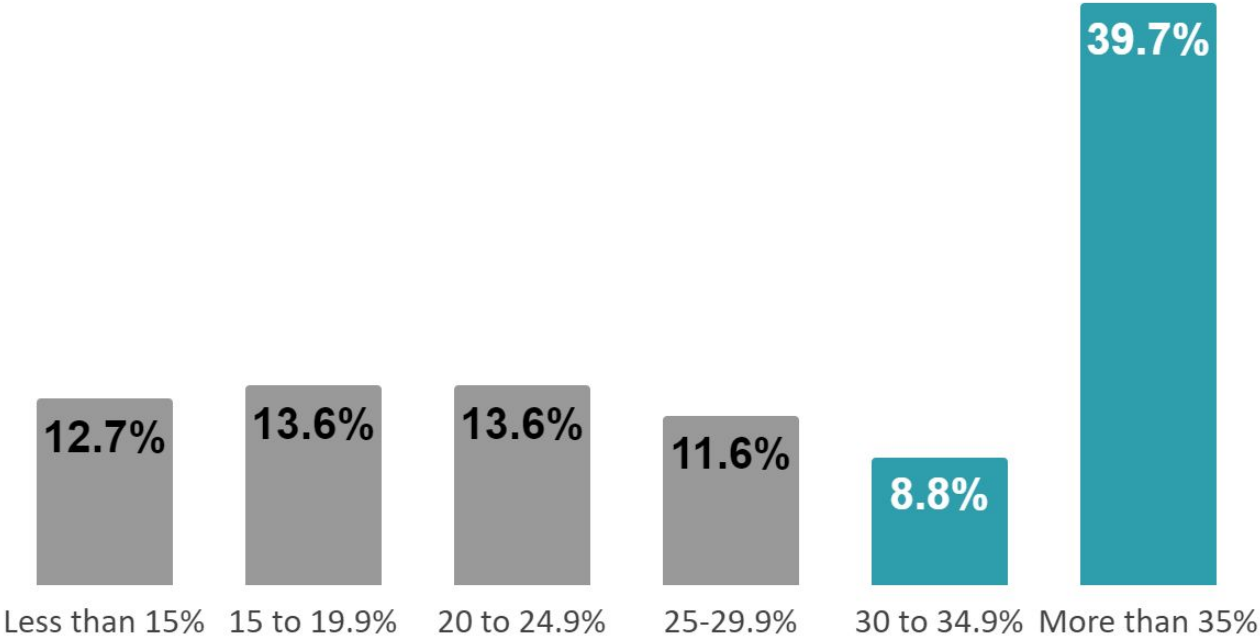
Prevalence of Household-Level Food Insecurity, Arizona & U.S., 2007 - 2018



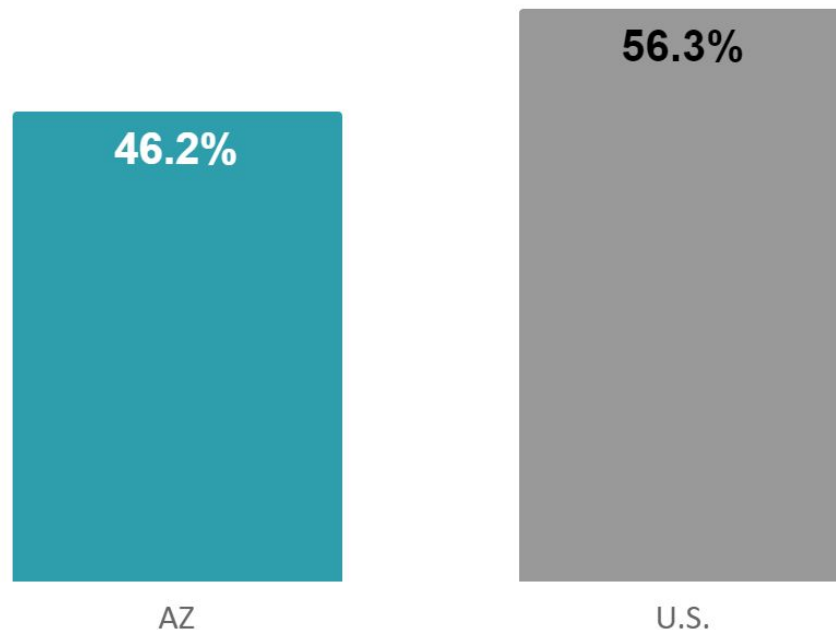
Estimated Homeless Individuals in Arizona, Sheltered and Unsheltered, 2017 - 2019



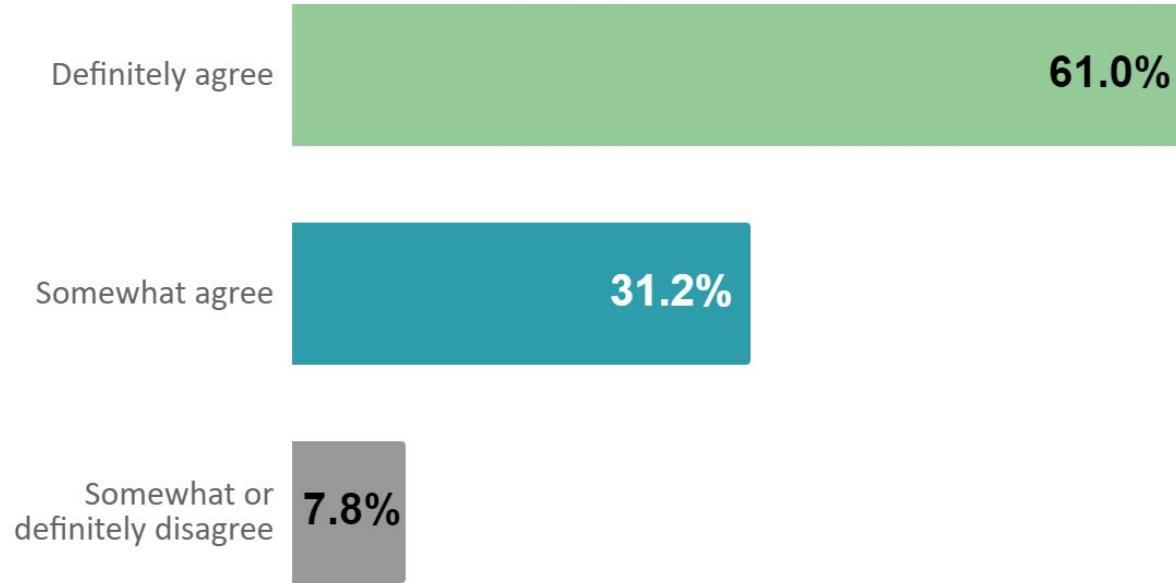
Gross Rent as a Percentage of Household Income, Arizona 2014-2018



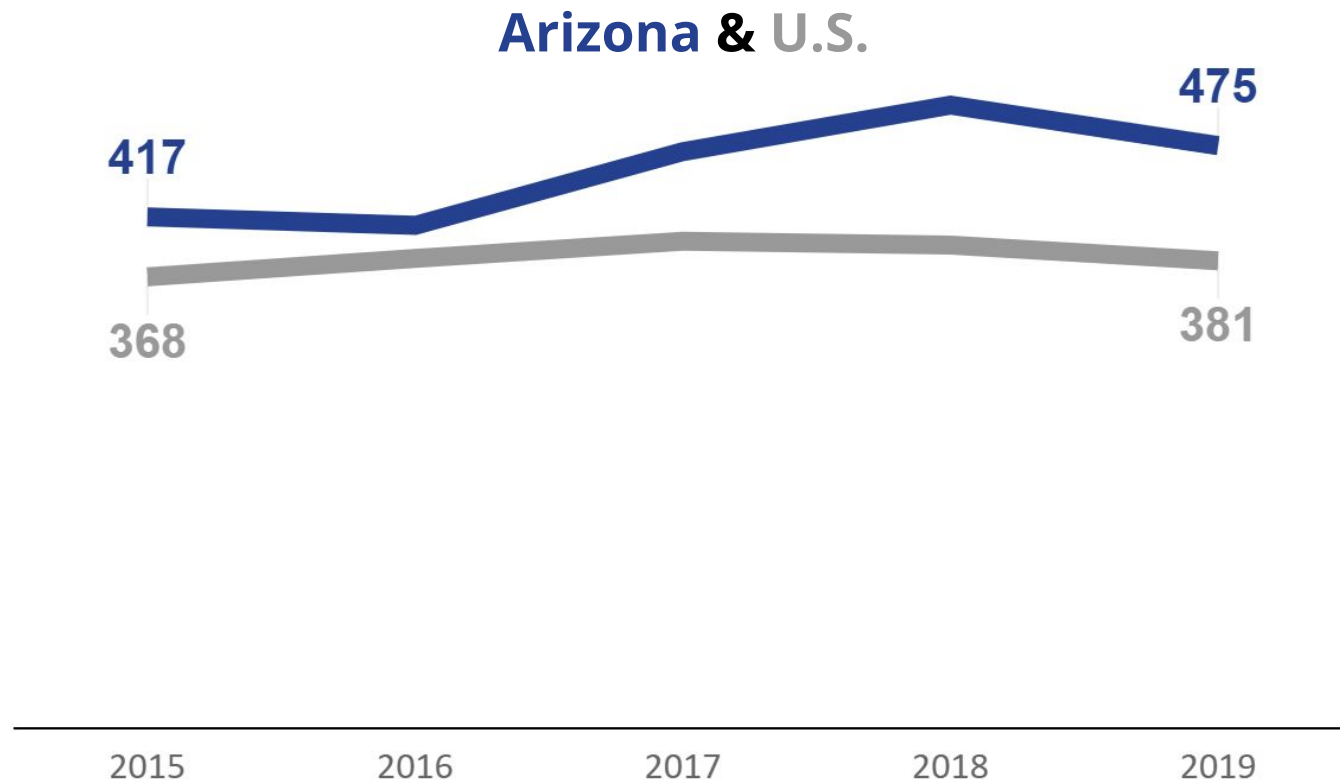
Percent of Adults Who Believe Their Children Live in a Supportive Neighborhood, Arizona & U.S., 2017 and 2018



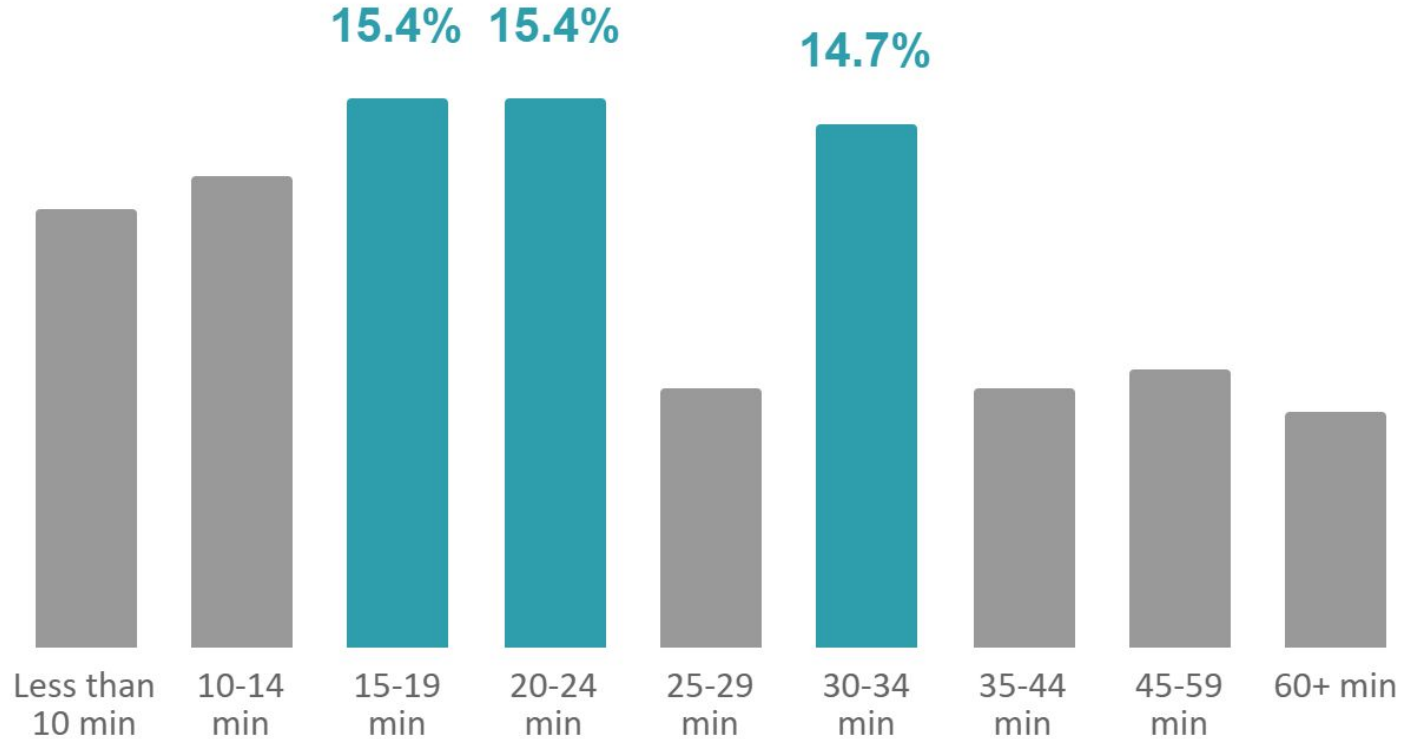
Percent of Arizona Adults Who Believe Their Children Live in a Safe Neighborhood, 2017 and 2018



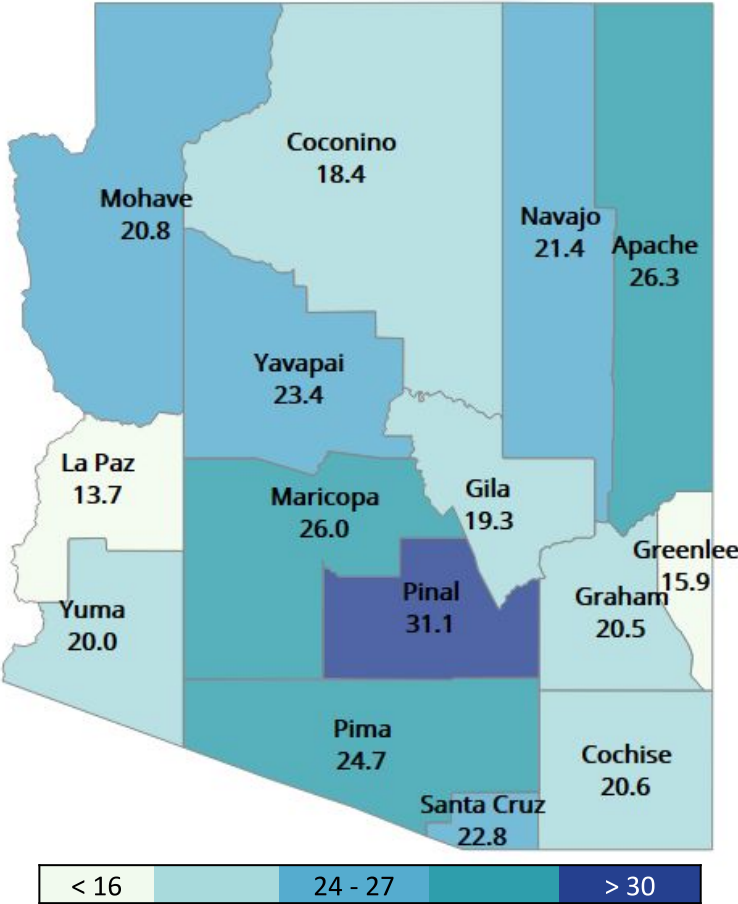
Violent Crime Rate, Arizona & U.S. 2015 - 2019



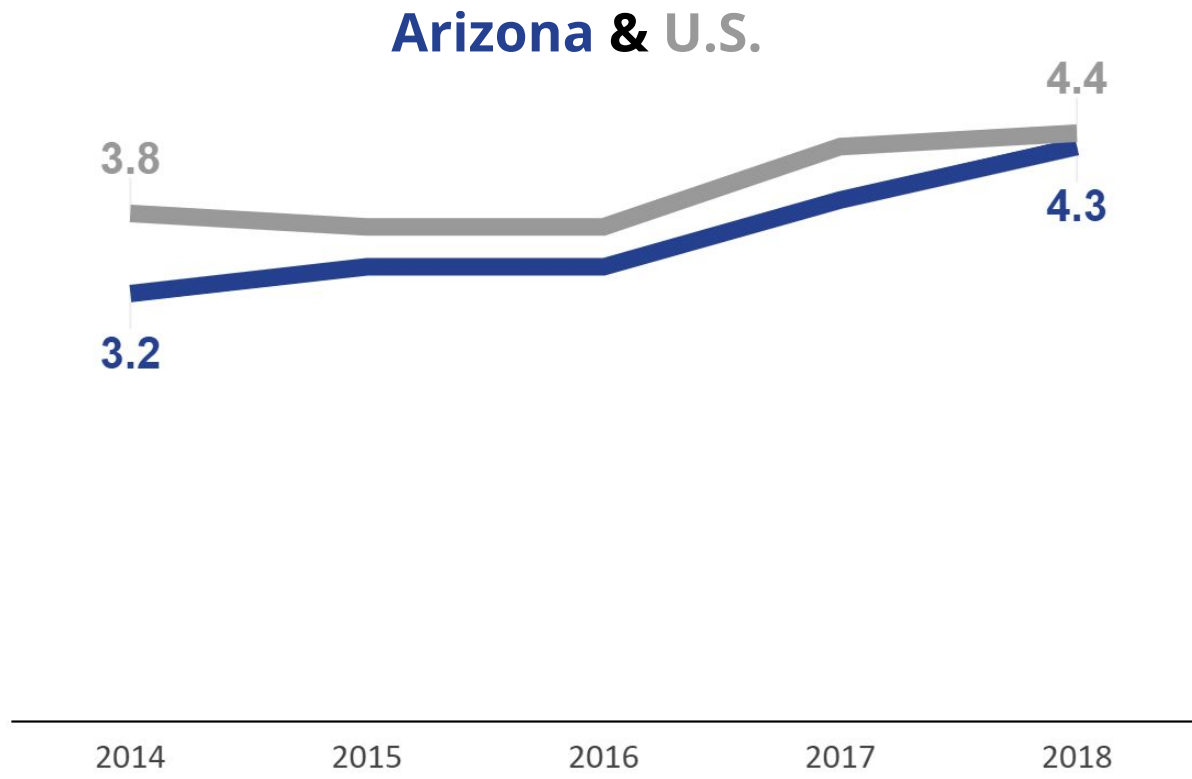
Mean Travel Time to Work Among Arizona Adults, 2014 - 2018



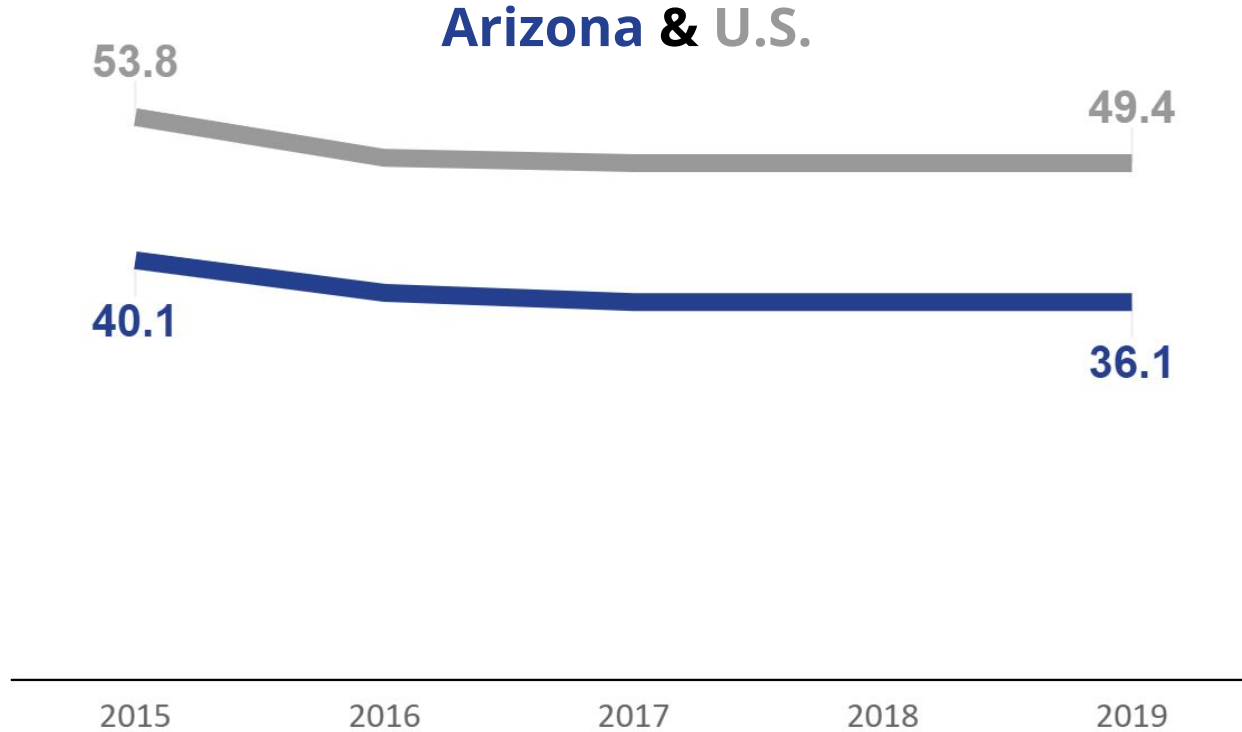
Mean Travel Time to Work Among Arizona Adults, by County, 2014 - 2018



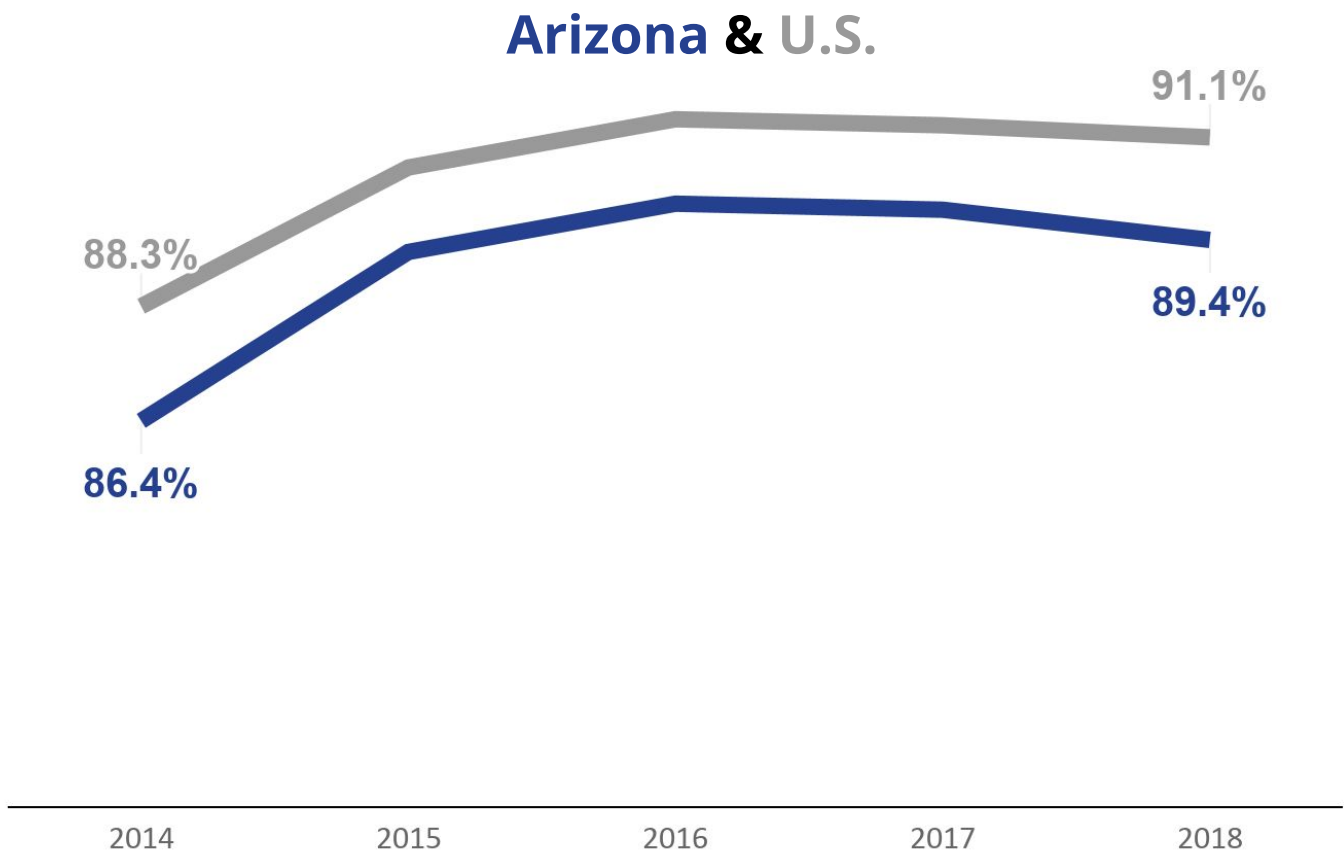
Occupational Fatality Rate, Arizona & U.S., 2014 - 2018



Preventable Hospitalization Rate, Arizona & U.S., 2015 - 2019

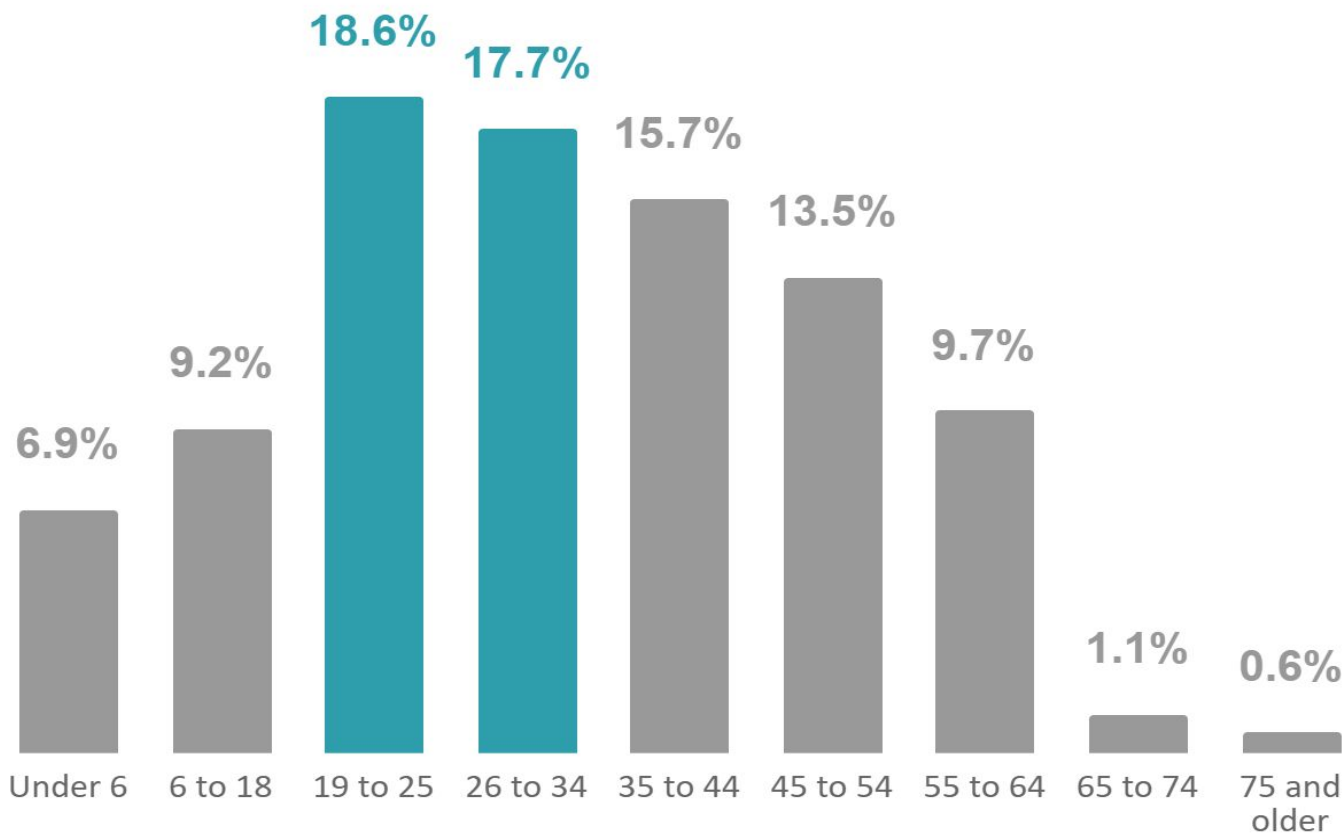


Percent of Adults With Health Insurance, Arizona & U.S., 2014 - 2018



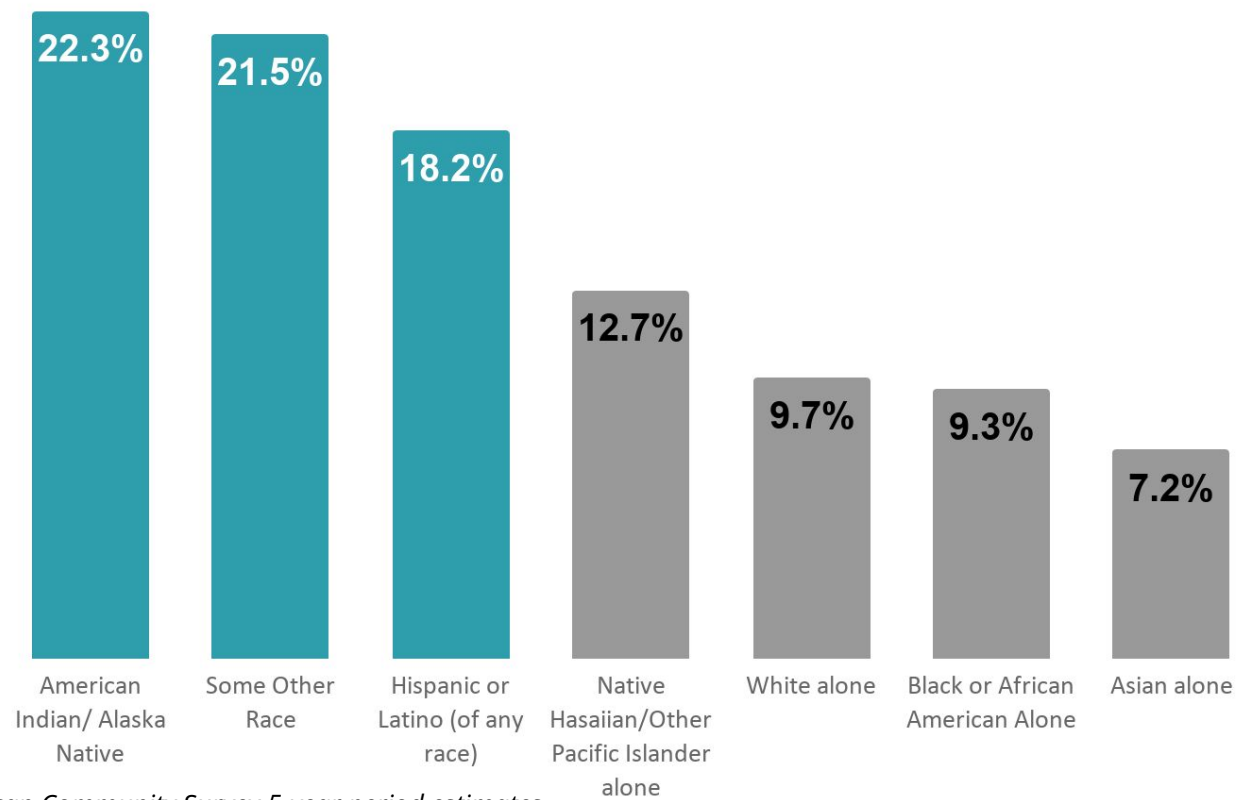
U.S. Census Bureau, American Community Survey 5-year period estimates

Percent of Arizona Adults Who Are Uninsured, by Age Group, 2014 - 2018



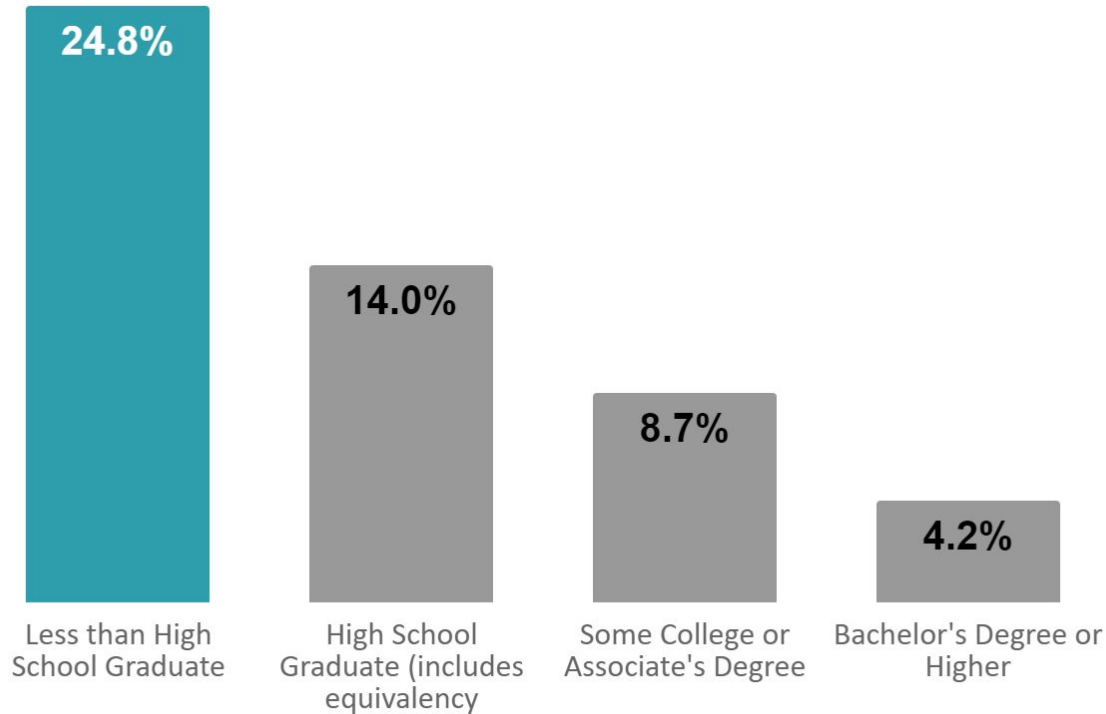
U.S. Census Bureau, American Community Survey 5-year period estimates

Percent of Arizona Adults Who Are Uninsured, by Race & Ethnicity, 2014 - 2018



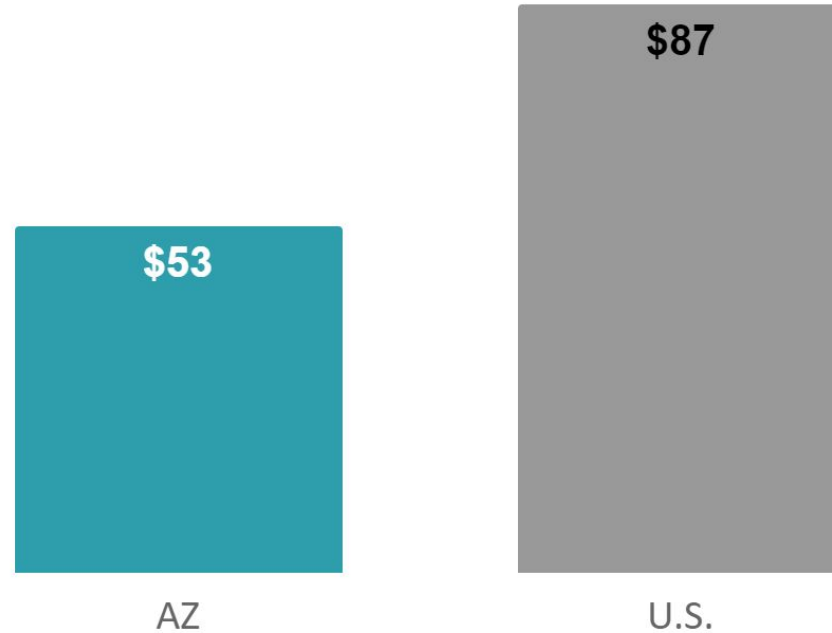
U.S. Census Bureau, American Community Survey 5-year period estimates

Percent of Arizona Adults Who Are Uninsured, by Educational Attainment, 2014 - 2018

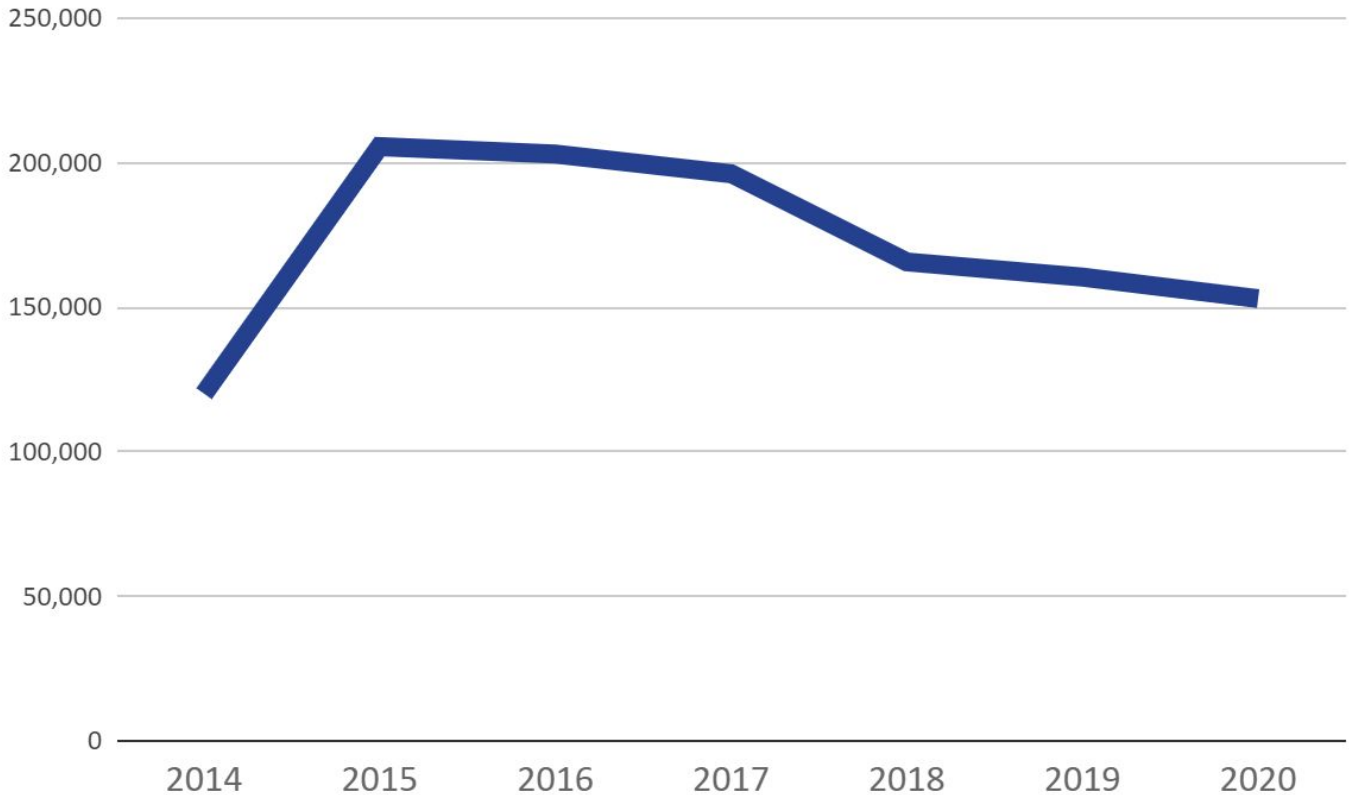


CAPACITY TO ADDRESS HEALTH ISSUES

Dollars Dedicated for Public Health Per Person from State and Federal Dollars Directed by the CDC and HRSA, 2017 – 2018



Arizona Marketplace Enrollment, 2014 – 2020



COUNTY HEALTH

Apache: [Assessment](#) | [Improvement Plan](#)

Coconino: [Assessment](#) | [Improvement Plan](#)

Graham: [Assessment](#) | [Improvement Plan](#)

La Paz: [Assessment](#) | [Improvement Plan](#)

Mohave: [Assessment](#) | [Improvement Plan](#)

Pima: [Assessment](#) | [Improvement Plan](#)

Santa Cruz: [Assessment](#) | [Improvement Plan](#)

Yuma: [Assessment](#) | [Improvement Plan](#)

Cochise: [Assessment](#) | [Improvement Plan](#)

Gila: [Assessment](#) | [Improvement Plan](#)

Greenlee: [Assessment](#) | [Improvement Plan](#)

Maricopa: [Assessment](#) | [Improvement Plan](#)

Navajo: [Assessment](#) | [Improvement Plan](#)

Pinal: [Assessment](#) | [Improvement Plan](#)

Yavapai: [Assessment](#) | [Improvement Plan](#) (Quad Cities) and [Improvement Plan](#) (Verde Valley)

TITLE V MCH NEEDS ASSESSMENT

Planning and design of the 2020 Needs Assessment began in March 2018. Data collection commenced in June of that year, and data analysis was conducted from January 2019 to May 2020. This needs assessment employed a mixed methods approach (total of 7 methodologies) to engage families and the public through secondary analysis of national and state surveillance, public survey, focus groups, and community forums to solicit qualitative and quantitative data that draws on the experience and knowledge of the communities we serve.

The purpose of the public survey was to seek feedback from the community regarding the most important health needs for each MCH population (pregnant women, infants, children, children with special healthcare needs, and adolescents). The public survey, available in English and Spanish, was promoted through the ADHS website, social media channels (Facebook, Twitter), and Director's blog. Data was collected between August 16, 2019 and February 29, 2020 (194 days). The survey included questions that collected demographic information; perceptions on social determinants of health; gaps in service needs by MCH population; and open-ended questions that captured general recommendations or suggestions for ADHS.

In total, 1,078 participants (1,025 English; 53 Spanish) provided inputs through the public survey.

Public Survey Data - Most Needed Women’s Health Services and Their Top Barriers

Identified Services (Top 5)		Barriers to Receiving Health Services (Top 3)
1.	Chronic condition management	<ul style="list-style-type: none"> • No childcare • Lacking health insurance • Not available in the area
2.	Breastfeeding education	<ul style="list-style-type: none"> • Couldn't afford • No childcare • Lacking health insurance
3.	Dental care services	<ul style="list-style-type: none"> • No childcare • Lacking health insurance • Not available in the area
4.	Dietician/nutrition services	<ul style="list-style-type: none"> • Lacking health insurance • No childcare • Not available in area
5.	Counseling or stress management services	<ul style="list-style-type: none"> • Lacking health insurance • No childcare • Couldn't afford

Public Survey Data - Most Needed Infant Health Services and Their Top Barriers

Identified Services (Top 5)		Barriers to Receiving Health Services (Top 3)
1.	Specialist care services	<ul style="list-style-type: none">• Lacking health insurance• No childcare• Couldn't afford
2.	Genetic Counseling	<ul style="list-style-type: none">• Lacking health insurance• Couldn't afford• No childcare
3.	Childcare services	<ul style="list-style-type: none">• Lacking health insurance• Not available in the area• Couldn't afford
4.	Well baby visits	<ul style="list-style-type: none">• No childcare• Lacking health insurance• Not available in area
5.	Home baby proofing	<ul style="list-style-type: none">• Lacking health insurance• Couldn't afford• Not available in area

Public Survey Data - Most Needed Children's Health Services and Their Top Barriers

Identified Services (Top 5)		Barriers to Receiving Health Services (Top 3)
1.	Childcare services	<ul style="list-style-type: none"> • Lacking health insurance • Not available in area • Couldn't afford
2.	Food and nutrition programs	<ul style="list-style-type: none"> • Not available in area • Lacking health insurance • Couldn't afford
3.	Dental care services	<ul style="list-style-type: none"> • Lacking health insurance • No childcare • Not available in the area
4.	Primary care services	<ul style="list-style-type: none"> • Lacking health insurance • No childcare • Not available in area
5.	Household poisoning prevention services	<ul style="list-style-type: none"> • Lacking health insurance • Couldn't afford • Not available in area

Public Survey Data - Most Needed Health Services for Children and Youth with Special Healthcare Needs and Their Top Barriers

Identified Services (Top 5)		Barriers to Receiving Health Services (Top 3)
1.	Access to medical home	<ul style="list-style-type: none"> • Lacking health insurance • No childcare • Not available in area
2.	Access to special equipment	<ul style="list-style-type: none"> • Lacking health insurance • Not available in area • No childcare
3.	Behavioral services	<ul style="list-style-type: none"> • Lacking health insurance • No childcare • Couldn't afford
4.	Long term care services	<ul style="list-style-type: none"> • Not available in area • Lacking health insurance • No childcare
5.	Development delays testing and support services	<ul style="list-style-type: none"> • Lacking health insurance • Couldn't afford • Not available in area

Public Survey Data - Most Needed Adolescent Health Services and Their Top Barriers

Identified Services (Top 5)		Barriers to Receiving Health Services (Top 3)
1.	Rehabilitation services for substance use	<ul style="list-style-type: none"> ● Lacking health insurance ● Couldn't afford ● No childcare
2.	Adolescent driving safety	<ul style="list-style-type: none"> ● Couldn't afford ● Lacking health insurance ● Not available in area
3.	Dental care services	<ul style="list-style-type: none"> ● Lacking health insurance ● No childcare ● Not available in the area
4.	Housing	<ul style="list-style-type: none"> ● Lacking health insurance ● Not available in area ● Couldn't afford
5.	Transition to adulthood services	<ul style="list-style-type: none"> ● Couldn't afford ● Lacking health insurance ● Not available in area

Needs Assessment Survey - Social Determinant of Health Impact Level by Demographic Characteristics

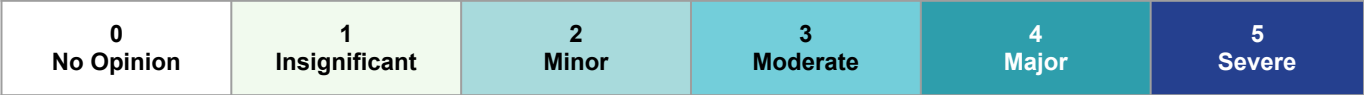
All respondents (n=647)

Question: In your opinion, what do you think your community believes are the most important health issues affecting mothers, infants, children, adolescents, and children with special health care needs in Arizona? Please be specific.

**Among respondents, these were the top social determinants of health with the highest impact level.*

Poverty	4.20
Stress	4.18
Making a livable wage	4.17
Having adequate health insurance	4.15
Social and emotional support	4.14
Availability of medical services	4.01

Likert Scale



Needs Assessment Survey - Social Determinant of Health Impact Level by Demographic Characteristics

American Indian Respondents (n=40)

Poverty	4.69
Social and emotional support	4.54
Housing conditions	4.53
Stress	4.51
Making a livable wage	4.49
Having adequate health insurance	4.34

Access to nutritious foods	4.33
Unemployment	4.33
Safety and well-being	4.28
Promoting healthy behaviors	4.24
Availability of medical services	4.23

Likert Scale

0 No Opinion	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Severe
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Needs Assessment Survey - Social Determinant of Health Impact Level by Demographic Characteristics

Hispanic or Latinx
Respondents
(n=160)

Stress	4.25
Social and emotional support	4.25
Making a livable wage	4.23
Poverty	4.22
Having adequate health insurance	4.19

Promoting healthy behaviors	4.09
Unemployment	4.06
Access to nutritious foods	4.05
Availability of medical services	4.03
Transportation	4.01

Likert Scale

0 No Opinion	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Severe
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Needs Assessment Survey - Social Determinant of Health Impact Level by Demographic Characteristics

White
Respondents
(n=384)

Poverty	4.18
Having adequate health insurance Social and emotional support	4.14
Making a livable wage	4.12
Stress	4.11
Transportation	4.19

Fair treatment	4.15
Level of education	4.13
Not able to read or understand health information	4.05
Racial discrimination in healthcare	4.05
Cultural and language appropriate services	4.03

Likert Scale

0 No Opinion	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Severe
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Needs Assessment Survey - Social Determinant of Health Impact Level by Demographic Characteristics

Rural (n=200)

Making a livable wage	4.15
Poverty	4.09
Having adequate health insurance	4.03
Social and emotional support	4.02

Likert Scale

0 No Opinion	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Severe
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Needs Assessment Survey - Social Determinant of Health Impact Level by Demographic Characteristics

Urban (n=446)

Stress	4.28
Poverty	4.26
Having adequate health insurance	4.21
Social and emotional support	4.21

Making a livable wage	4.18
Availability of medical services	4.05
Access to nutritious foods	4.00

Likert Scale

0 No Opinion	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Severe
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